

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF103018\
 Data File : VF060553.D
 Acq On : 30 Oct 2018 19:11
 Operator : VA/AP
 Sample : J5696-03MSD
 Misc : 4.70/5mL/MSVOA_F/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 DL-SED-01MSD

Manual Integrations
 APPROVED

MMDadoda
 10/31/2018 11:36:43 AM

Quant Time: Oct 31 05:54:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F102918S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 30 05:31:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	127651	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.76	114	195136	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	135739	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.63	152	55151	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	122720	62.33	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	124.66%	
35) Dibromofluoromethane	4.28	113	113310	60.51	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	121.02%	
50) Toluene-d8	7.70	98	217108	47.48	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	94.96%	
62) 4-Bromofluorobenzene	11.51	95	78307	37.16	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	74.32%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.00	85	167239	79.79	ug/l	96
3) Chloromethane	1.14	50	88571	67.99	ug/l	# 78
4) Vinyl Chloride	1.20	62	98949	64.65	ug/l	97
5) Bromomethane	1.37	94	105205	87.47	ug/l	96
6) Chloroethane	1.42	64	59724	74.95	ug/l	91
7) Trichlorofluoromethane	1.55	101	307129	83.29	ug/l	96
8) Diethyl Ether	1.70	74	30657	66.29	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.90	101	114306	70.62	ug/l	98
10) Methyl Iodide	1.96	142	192125	68.88	ug/l	95
11) Tert butyl alcohol	2.68	59	25446	323.96	ug/l	95
12) 1,1-Dichloroethene	1.86	96	97407	67.90	ug/l	90
13) Acrolein	2.08	56	13716	191.08	ug/l	89
14) Allyl chloride	2.18	41	139995	61.37	ug/l	93
15) Acrylonitrile	3.06	53	45686	232.04	ug/l	95
16) Acetone	2.33	43	101838	269.68	ug/l	# 91
17) Carbon Disulfide	1.89	76	240504	59.65	ug/l	# 93
18) Methyl Acetate	2.44	43	79636	126.98	ug/l	94
19) Methyl tert-butyl Ether	2.53	73	229345	71.35	ug/l	98
20) Methylene Chloride	2.27	84	89500	69.29	ug/l	# 77
21) trans-1,2-Dichloroethene	2.41	96	98954	67.44	ug/l	86
22) Diisopropyl ether	2.91	45	287444	69.37	ug/l	95
23) Vinyl Acetate	3.32	43	128898	83.87	ug/l	# 93
24) 1,1-Dichloroethane	2.99	63	213770	71.50	ug/l	99
25) 2-Butanone	4.50	43	98828	210.16	ug/l	93
26) 2,2-Dichloropropane	3.76	77	136106	73.25	ug/l	83
27) cis-1,2-Dichloroethene	3.63	96	86604	48.95	ug/l	87
28) Bromochloromethane	3.88	49	61978	57.55	ug/l	96
29) Tetrahydrofuran	4.24	42	41390	251.63	ug/l	95
30) Chloroform	4.02	83	256467	67.92	ug/l	92
31) Cyclohexane	3.86	56	75370	35.31	ug/l	91
32) 1,1,1-Trichloroethane	4.27	97	231684	74.22	ug/l	97
36) 1,1-Dichloropropene	4.45	75	137717	56.64	ug/l	95
37) Ethyl Acetate	4.28	43	35625	45.26	ug/l	# 33
38) Carbon Tetrachloride	4.16	117	211466m	72.64	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	59922	24.41	ug/l	90
40) Benzene	4.80	78	256335	53.16	ug/l	95
41) Methacrylonitrile	4.90	41	21085	46.86	ug/l	94
42) 1,2-Dichloroethane	5.11	62	156204	69.76	ug/l	89
43) Isopropyl Acetate	7.10	43	30722	32.25	ug/l #	76
44) Trichloroethene	5.66	130	81746	52.44	ug/l	89
45) 1,2-Dichloropropane	6.39	63	61135	50.80	ug/l	98
46) Dibromomethane	6.24	93	55893	59.15	ug/l	98
47) Bromodichloromethane	6.54	83	158392	65.32	ug/l	94
48) Methyl methacrylate	6.86	41	36278	55.21	ug/l #	78
49) 1,4-Dioxane	6.86	88	5337	873.05	ug/l #	83
51) 4-Methyl-2-Pentanone	8.39	43	159856	231.64	ug/l	90
52) Toluene	7.77	92	143558	45.86	ug/l	91
53) t-1,3-Dichloropropene	8.42	75	102231	53.97	ug/l	96
54) cis-1,3-Dichloropropene	7.44	75	116569	51.93	ug/l #	87
55) 1,1,2-Trichloroethane	8.63	97	43572	46.45	ug/l	97
56) Ethyl methacrylate	8.76	69	36484	34.66	ug/l #	84
57) 1,3-Dichloropropane	8.99	76	81273	51.20	ug/l	93
58) 2-Chloroethyl Vinyl ether	7.77	63	34461	317.69	ug/l #	100
59) 2-Hexanone	9.62	43	100658	194.28	ug/l	88
60) Dibromochloromethane	8.85	129	84530	55.94	ug/l	94
61) 1,2-Dibromoethane	9.12	107	52144	48.02	ug/l	96
64) Tetrachloroethene	8.29	164	56941	49.63	ug/l	91
65) Chlorobenzene	9.93	112	147686	54.08	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.06	131	81220	65.27	ug/l	90
67) Ethyl Benzene	10.03	91	287716	55.14	ug/l	96
68) m/p-Xylenes	10.26	106	174629	97.99	ug/l	87
69) o-Xylene	10.82	106	99090	49.37	ug/l	70
70) Styrene	10.89	104	128320	45.35	ug/l	90
71) Bromoform	10.88	173	38628	60.18	ug/l #	92
73) Isopropylbenzene	11.22	105	277090	65.72	ug/l	98
74) N-amyl acetate	11.46	43	25770	30.52	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	11.78	83	49806	70.80	ug/l	98
76) 1,2,3-Trichloropropane	11.88	75	41903	79.18	ug/l	88
77) Bromobenzene	11.58	156	60379	65.09	ug/l	98
78) n-propylbenzene	11.68	91	275900	55.18	ug/l	99
79) 2-Chlorotoluene	11.80	91	190622	63.69	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	213717	58.67	ug/l	92
81) trans-1,4-Dichloro-2-buten	11.95	75	15200m	65.76	ug/l	
82) 4-Chlorotoluene	11.98	91	200456	64.60	ug/l	93
83) tert-Butylbenzene	12.21	119	210611	59.66	ug/l	98
84) 1,2,4-Trimethylbenzene	12.28	105	216767	58.58	ug/l	96
85) sec-Butylbenzene	12.38	105	212924	43.04	ug/l	96
86) p-Isopropyltoluene	12.53	119	180723	44.51	ug/l	94
87) 1,3-Dichlorobenzene	12.55	146	97739	52.79	ug/l	96
88) 1,4-Dichlorobenzene	12.64	146	98200	56.20	ug/l	96
89) n-Butylbenzene	12.92	91	160214	41.45	ug/l	92
90) Hexachloroethane	12.98	117	47452	45.28	ug/l	93
91) 1,2-Dichlorobenzene	13.01	146	92935	53.28	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.70	75	11302	77.48	ug/l	77

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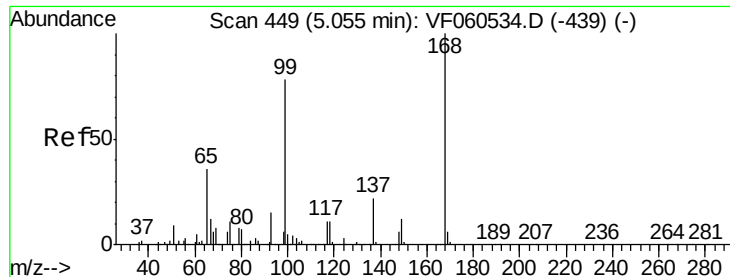
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	41026	31.40	ug/l	97
94) Hexachlorobutadiene	14.25	225	19782	21.38	ug/l	92
95) Naphthalene	14.51	128	91099	39.41	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	29821	23.98	ug/l	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.03 min Scan# 446

Delta R.T. -0.03 min

Lab File: VF060553.D

Acq: 30 Oct 2018 19:11

Instrument :

MSVOA_F

ClientSampleId :

DL-SED-01MSD

Tgt Ion: 168 Resp: 127651

Ion Ratio Lower Upper

168 100

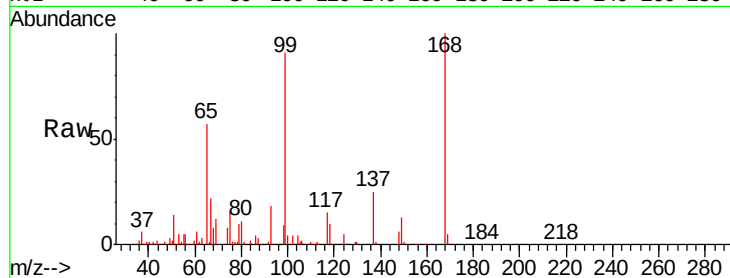
99 91.4 62.6 93.8

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

40000

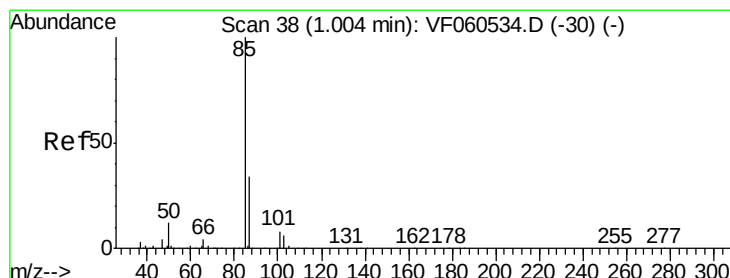
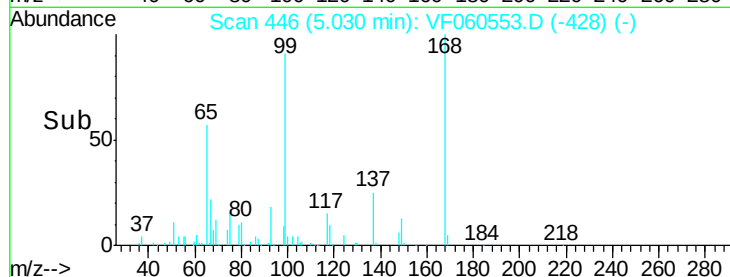
30000

20000

10000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 79.79 ug/l

RT: 1.00 min Scan# 37

Delta R.T. -0.01 min

Lab File: VF060553.D

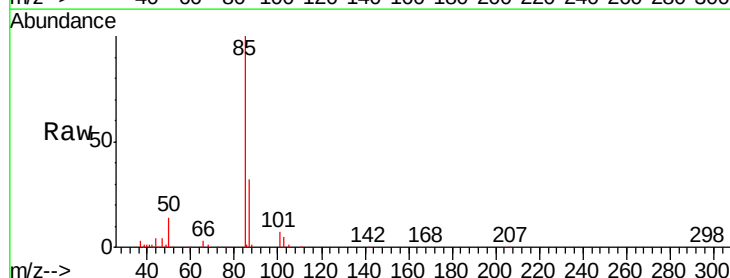
Acq: 30 Oct 2018 19:11

Tgt Ion: 85 Resp: 167239

Ion Ratio Lower Upper

85 100

87 31.8 16.9 50.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

60000

50000

40000

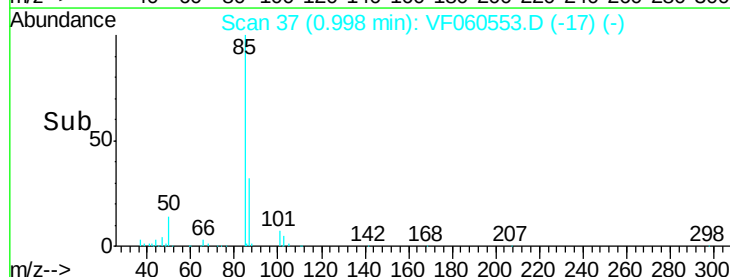
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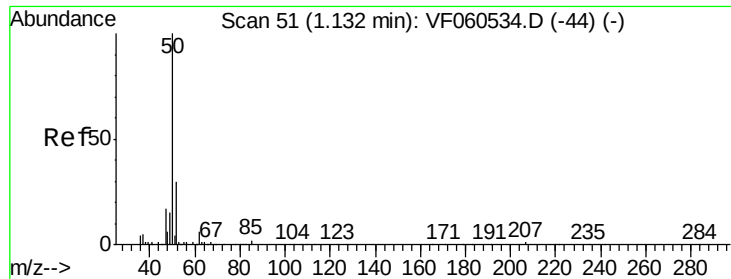
20000

10000

0

Time-->





#3

Chloromethane

Concen: 67.99 ug/l

RT: 1.14 min Scan# 51

Delta R.T. 0.00 min

Lab File: VF060553.D

Acq: 30 Oct 2018 19:11

Instrument :

MSVOA_F

ClientSampleId :

DL-SED-01MSD

Tgt Ion: 50 Resp: 88571

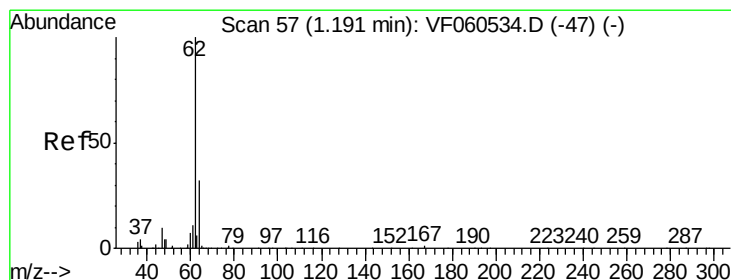
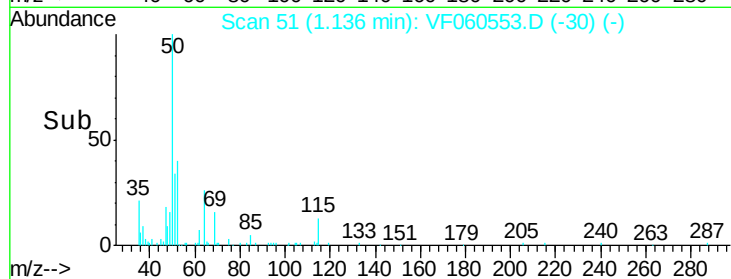
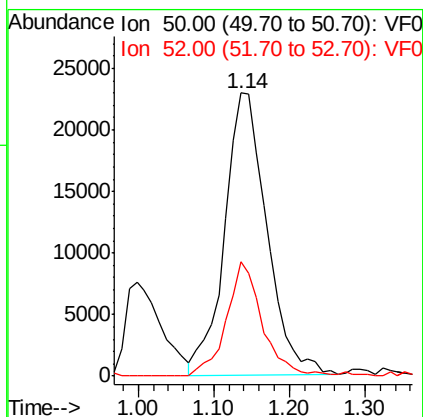
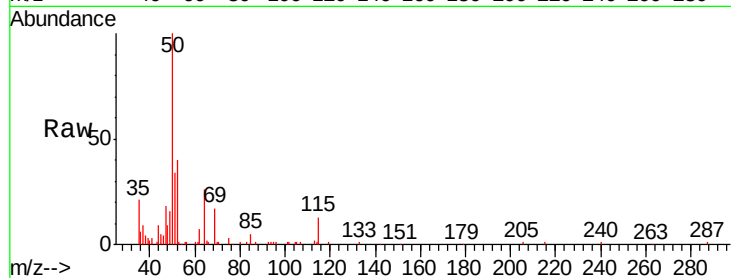
Ion Ratio Lower Upper

50 100

52 40.4 22.8 34.2#

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#4

Vinyl Chloride

Concen: 64.65 ug/l

RT: 1.20 min Scan# 57

Delta R.T. 0.00 min

Lab File: VF060553.D

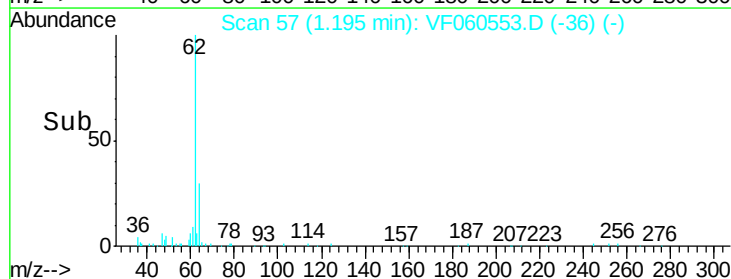
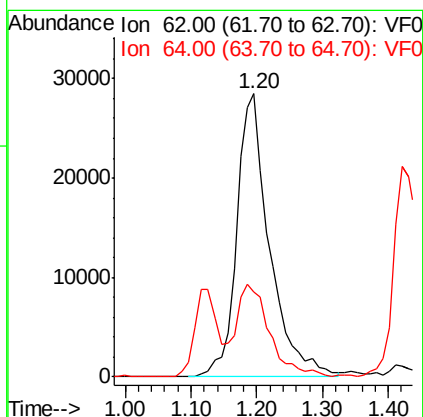
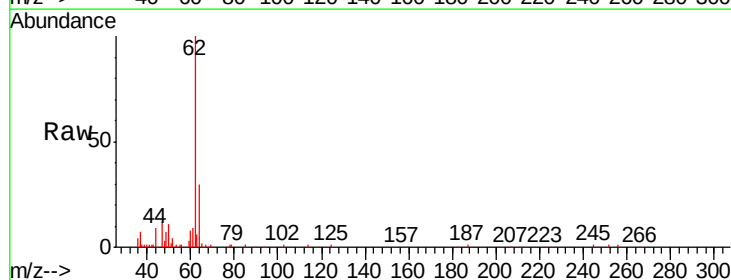
Acq: 30 Oct 2018 19:11

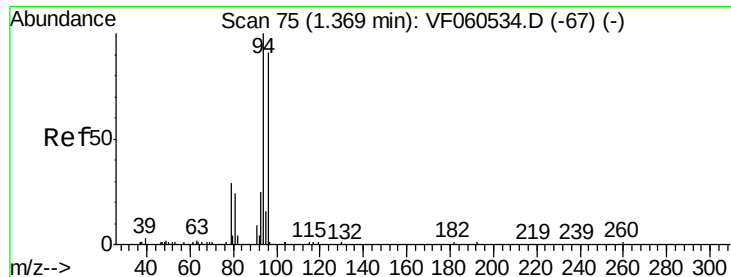
Tgt Ion: 62 Resp: 98949

Ion Ratio Lower Upper

62 100

64 29.9 25.3 37.9





#5

Bromomethane

Concen: 87.47 ug/l

RT: 1.37 min Scan# 75

Delta R.T. 0.00 min

Lab File: VF060553.D

Acq: 30 Oct 2018 19:11

Instrument :

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ClientSampleId :

DL-SED-01MSD

Tgt Ion: 94 Resp: 105205

Ion Ratio Lower Upper

94 100

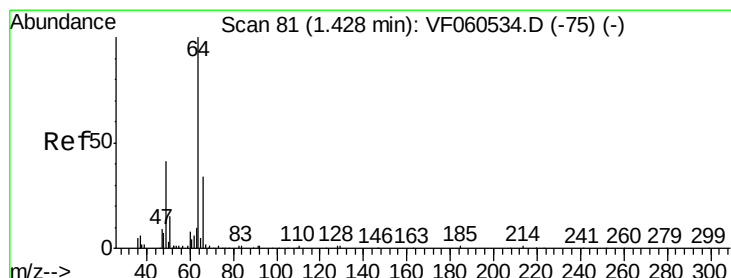
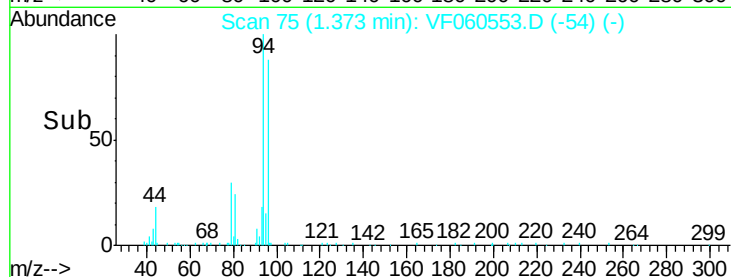
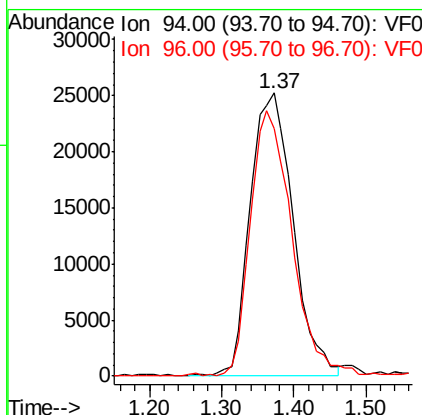
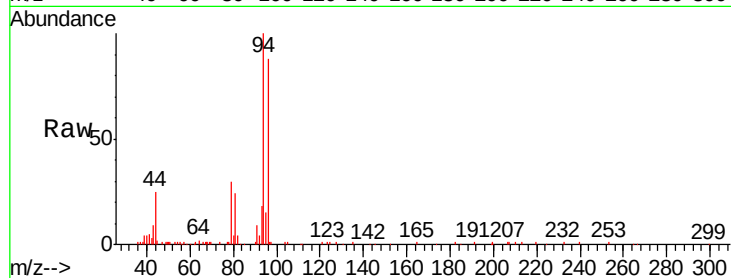
96 87.6 73.2 109.8

Manual Integrations

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#6

Chloroethane

Concen: 74.95 ug/l

RT: 1.42 min Scan# 80

Delta R.T. -0.01 min

Lab File: VF060553.D

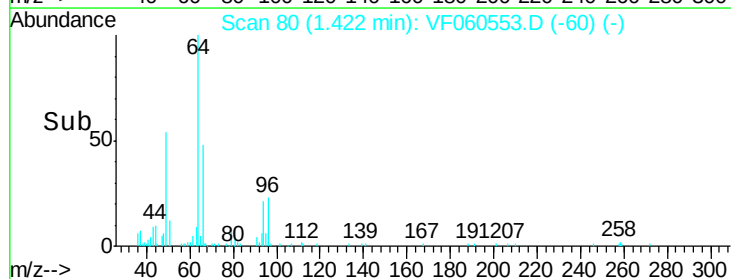
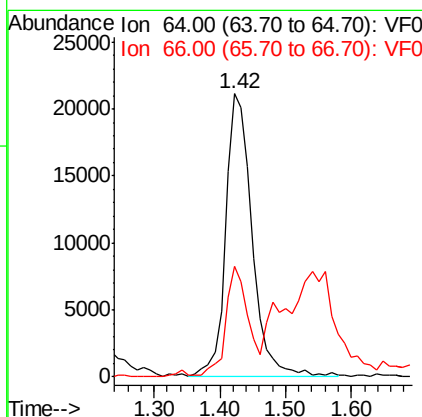
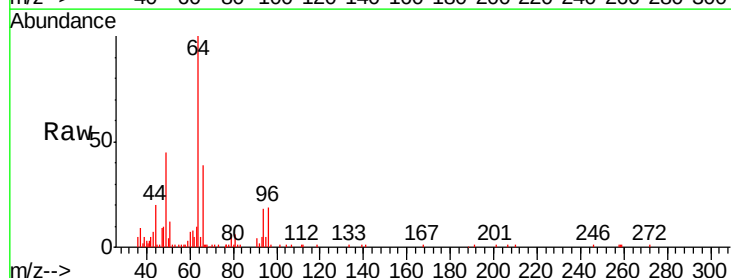
Acq: 30 Oct 2018 19:11

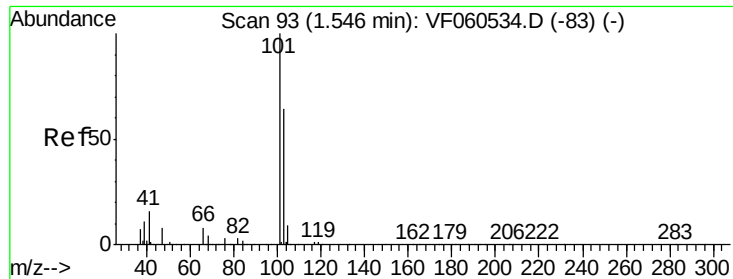
Tgt Ion: 64 Resp: 59724

Ion Ratio Lower Upper

64 100

66 38.9 27.1 40.7





#7

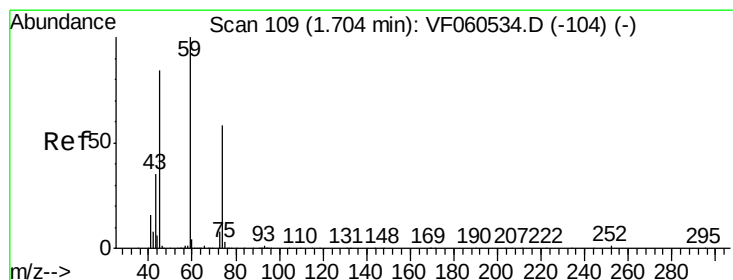
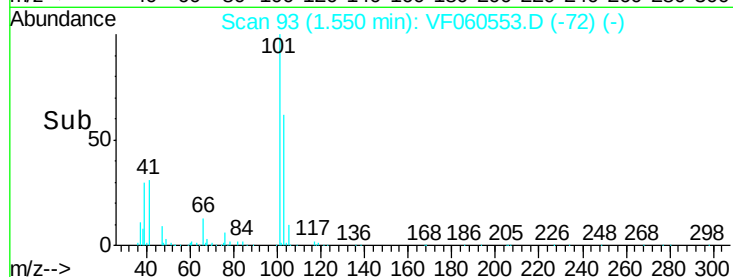
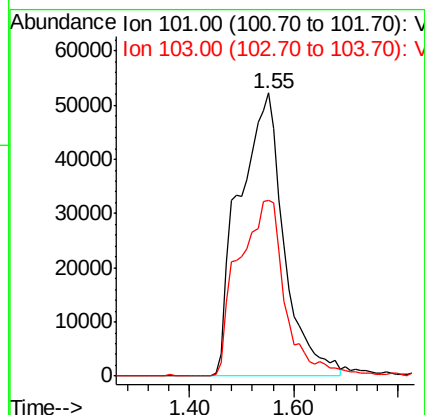
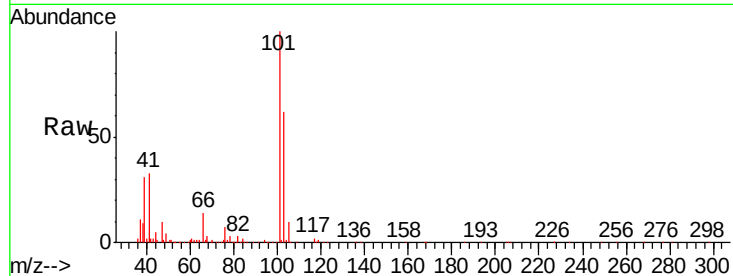
Trichlorofluoromethane
Concen: 83.29 ug/l
RT: 1.55 min Scan# 93
Delta R.T. 0.00 min
Lab File: VF060553.D
Acq: 30 Oct 2018 19:11

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ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
101	100		
103	61.3	51.6	77.4

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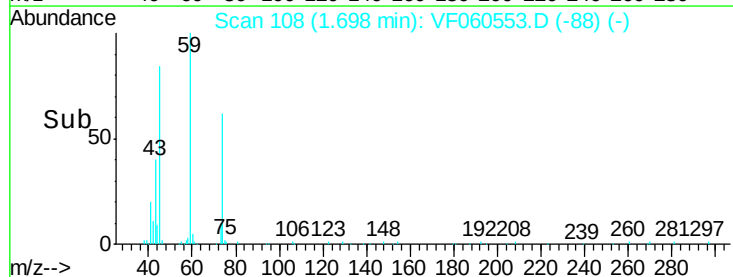
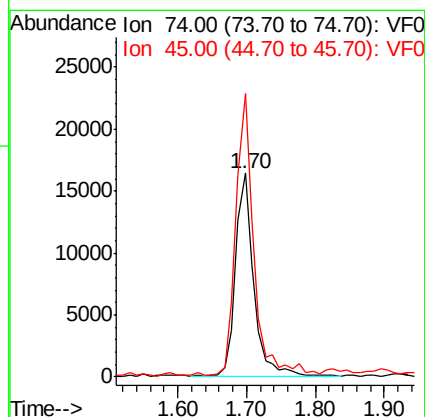
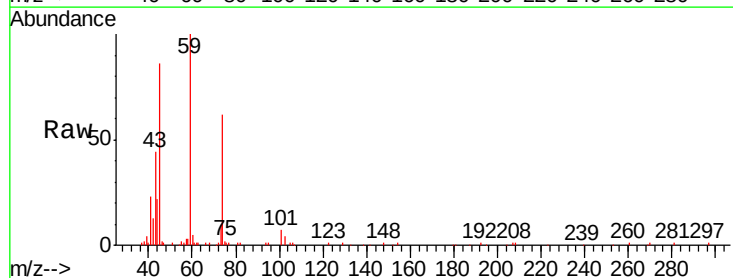
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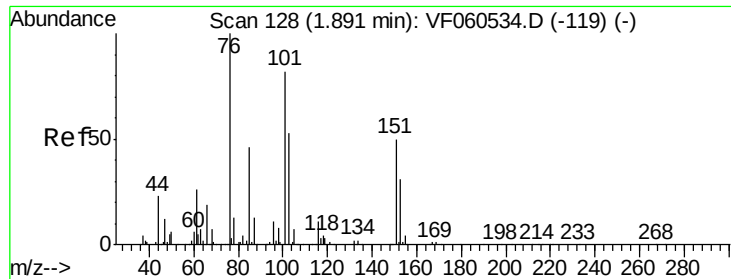


#8

Diethyl Ether
Concen: 66.29 ug/l
RT: 1.70 min Scan# 108
Delta R.T. -0.01 min
Lab File: VF060553.D
Acq: 30 Oct 2018 19:11

Tgt Ion	Ratio	Lower	Upper
74	100		
45	138.8	72.9	218.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 70.62 ug/l

RT: 1.90 min Scan# 128

Delta R.T. 0.00 min

Lab File: VF060553.D

Acq: 30 Oct 2018 19:11

Instrument :

MSVOA_F

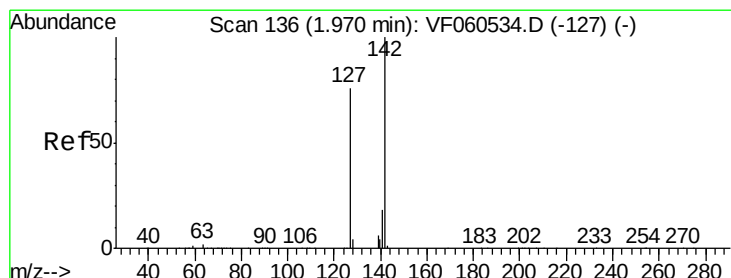
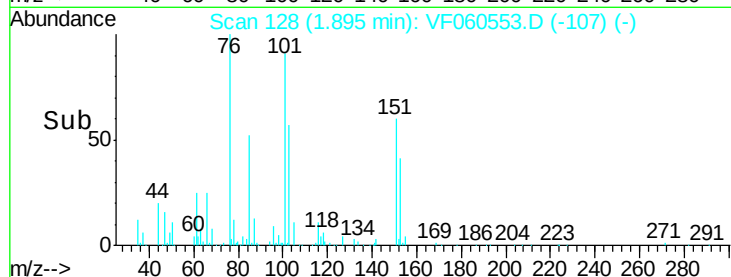
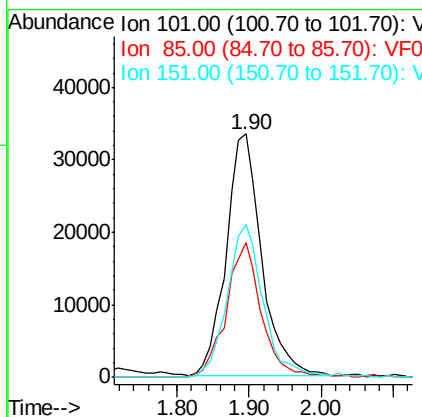
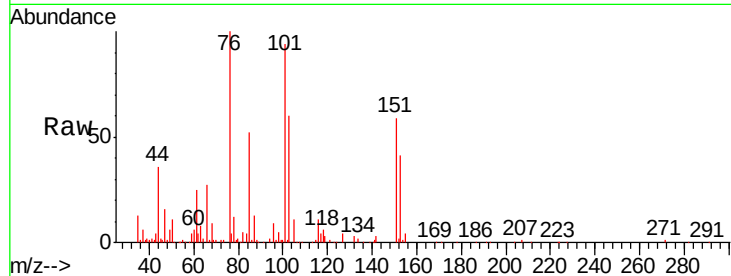
ClientSampleId :

DL-SED-01MSD

Tgt Ion:	101	Resp:	114306
Ion Ratio	Lower	Upper	
101	100		
85	55.2	44.6	67.0
151	63.0	48.4	72.6

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#10

Methyl Iodide

Concen: 68.88 ug/l

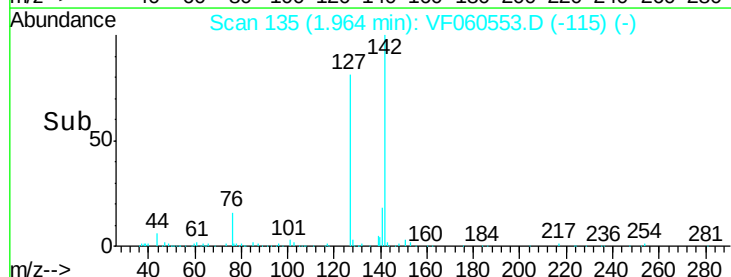
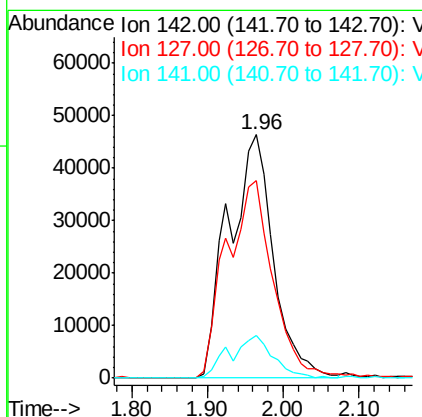
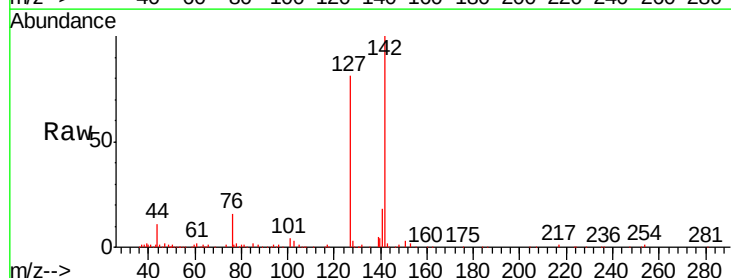
RT: 1.96 min Scan# 135

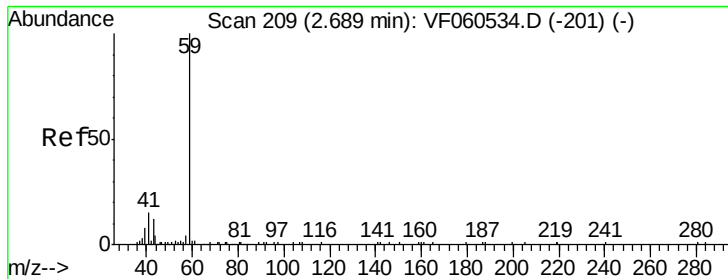
Delta R.T. -0.01 min

Lab File: VF060553.D

Acq: 30 Oct 2018 19:11

Tgt Ion:	142	Resp:	192125
Ion Ratio	Lower	Upper	
142	100		
127	81.2	61.2	91.8
141	17.6	14.0	21.0





#11

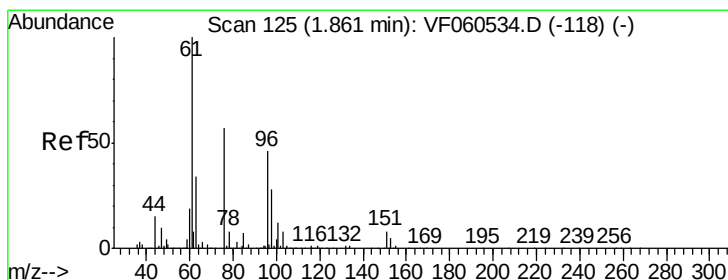
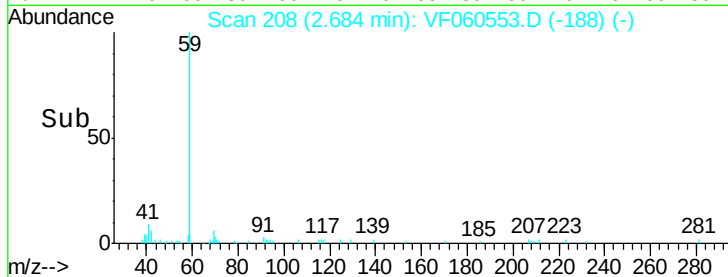
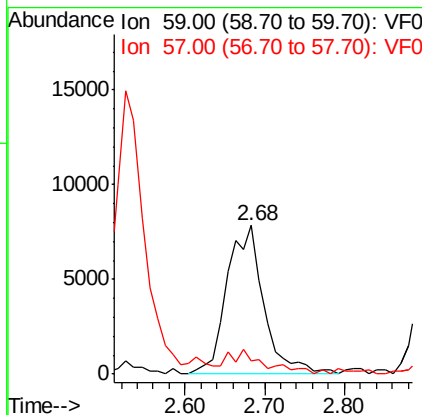
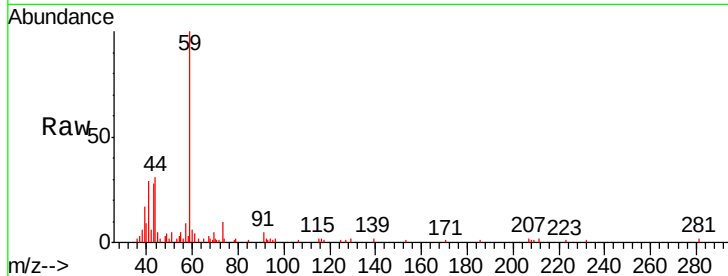
Tert butyl alcohol
Concen: 323.96 ug/l
RT: 2.68 min Scan# 208
Delta R.T. -0.01 min
Lab File: VF060553.D
Acq: 30 Oct 2018 19:11

Instrument :
MSVOA_F
ClientSampleId :
DL-SED-01MSD

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.2	8.9	13.3

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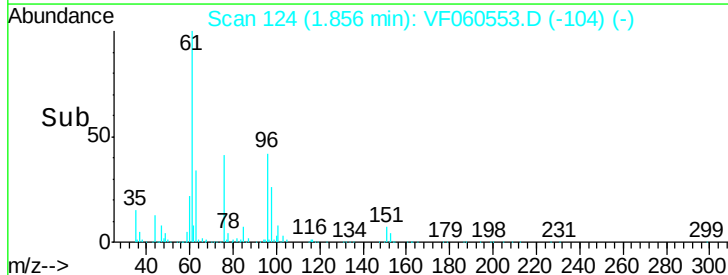
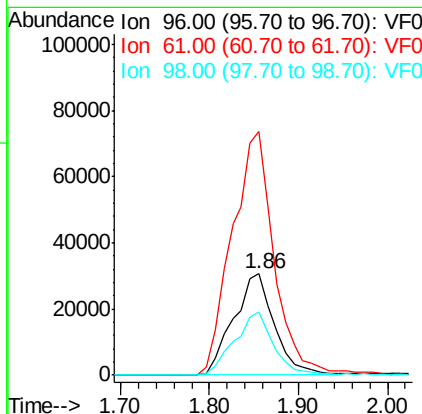
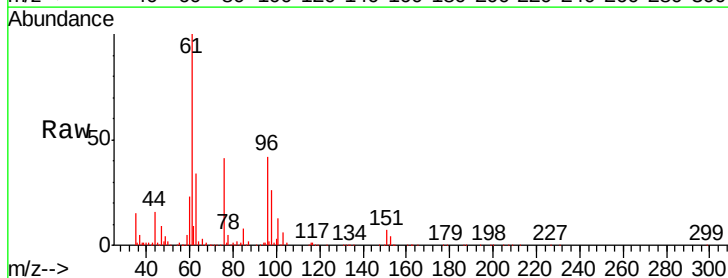
MMDadoda
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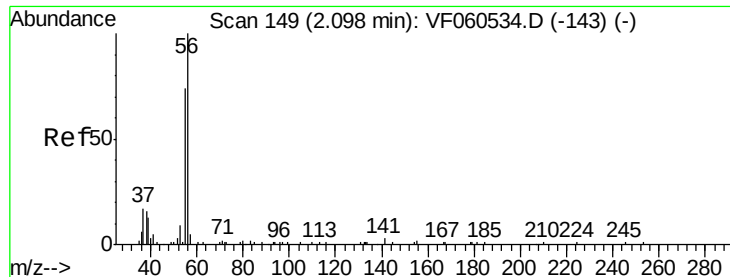


#12

1,1-Dichloroethene
Concen: 67.90 ug/l
RT: 1.86 min Scan# 124
Delta R.T. -0.01 min
Lab File: VF060553.D
Acq: 30 Oct 2018 19:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	240.0	175.4	263.2
98	62.1	48.9	73.3





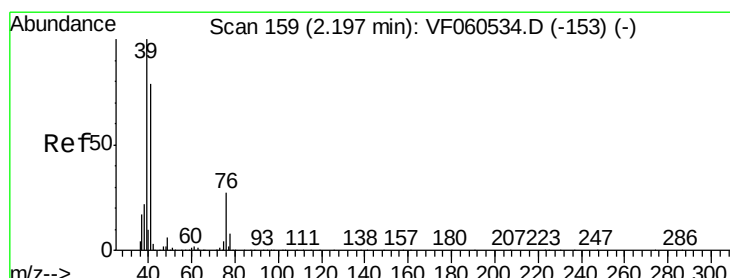
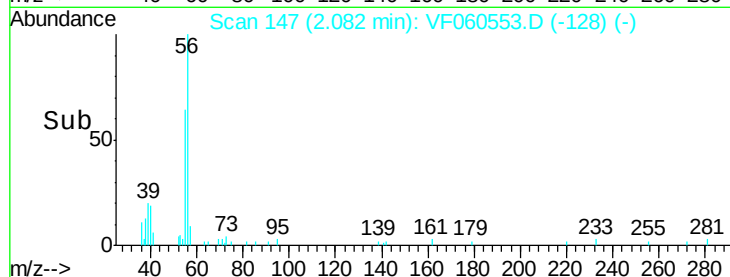
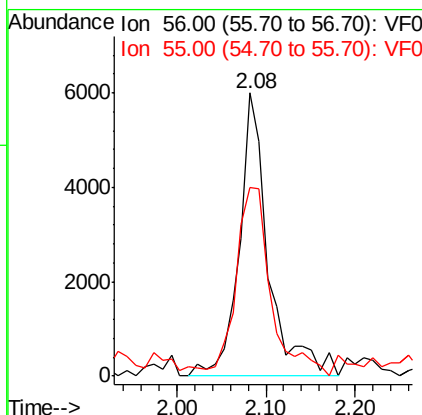
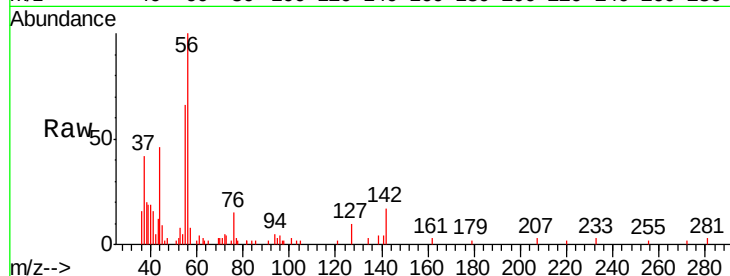
#13
Acrolein
Concen: 191.08 ug/l
RT: 2.08 min Scan# 147
Delta R.T. -0.02 min
Lab File: VF060553.D
Acq: 30 Oct 2018 19:11

Instrument :
MSVOA_F
ClientSampleId :
DL-SED-01MSD

Tgt Ion	Ratio	Lower	Upper
56	100		
55	66.5	60.4	90.6

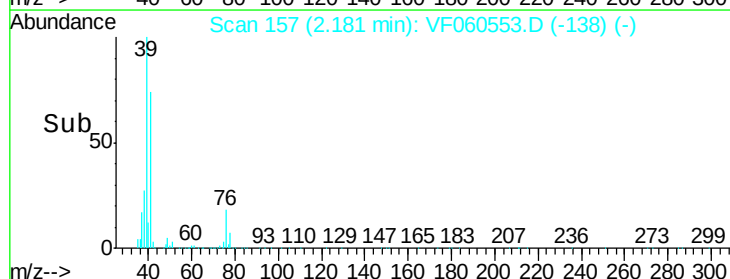
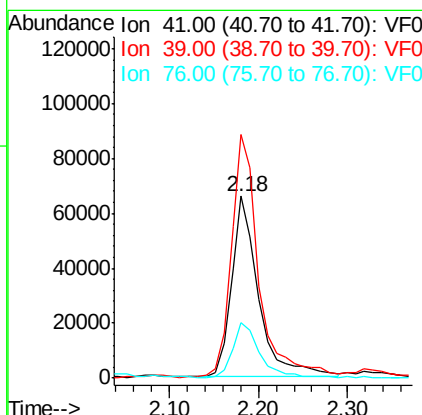
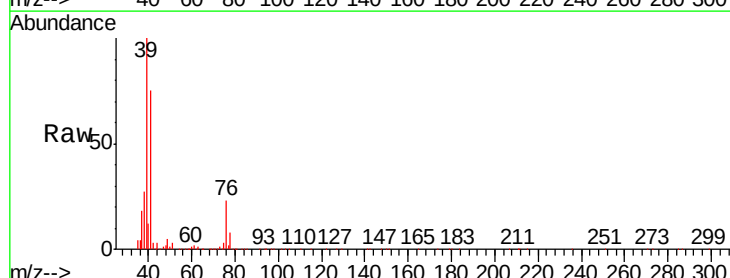
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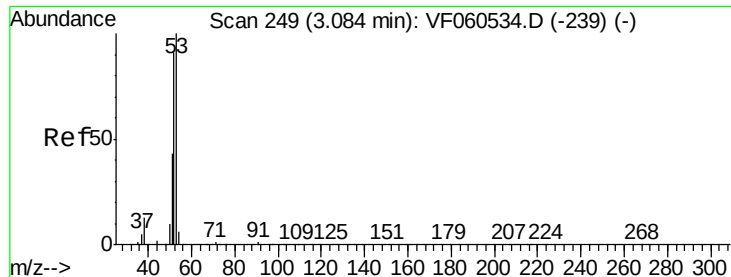
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#14
Allyl chloride
Concen: 61.37 ug/l
RT: 2.18 min Scan# 157
Delta R.T. -0.02 min
Lab File: VF060553.D
Acq: 30 Oct 2018 19:11

Tgt Ion	Ratio	Lower	Upper
41	100		
39	134.1	100.6	151.0
76	30.6	27.6	41.4





#15

Acrylonitrile

Concen: 232.04 ug/l

RT: 3.06 min Scan# 246

Delta R.T. -0.03 min

Lab File: VF060553.D

Acq: 30 Oct 2018 19:11

Instrument :

MSVOA_F

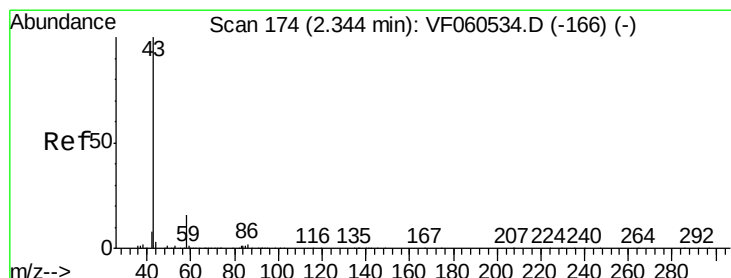
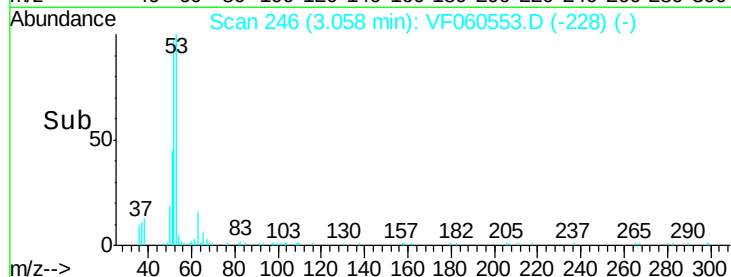
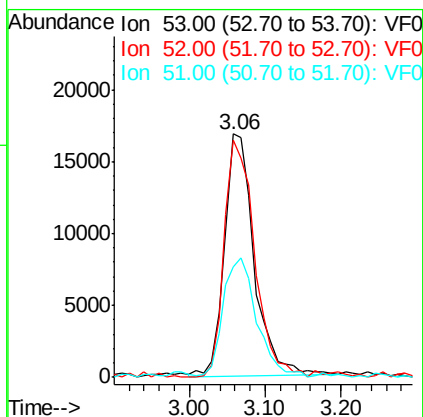
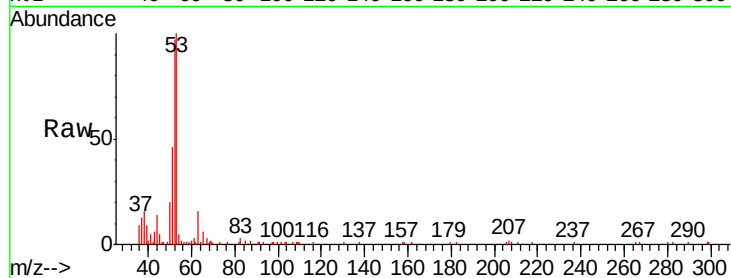
ClientSampleId :

DL-SED-01MSD

Tgt Ion:	53	Resp:	45686
Ion	Ratio	Lower	Upper
53	100		
52	97.5	73.2	109.8
51	45.6	35.0	52.4

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#16

Acetone

Concen: 269.68 ug/l

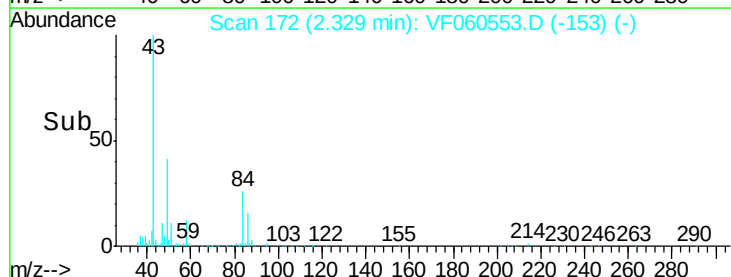
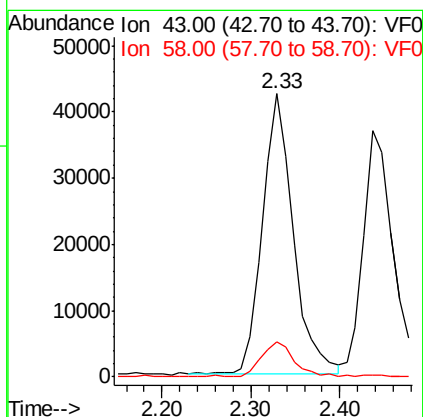
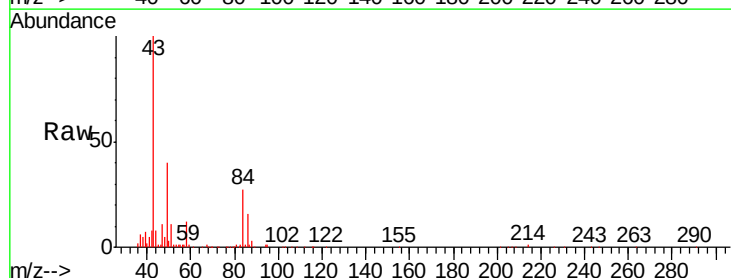
RT: 2.33 min Scan# 172

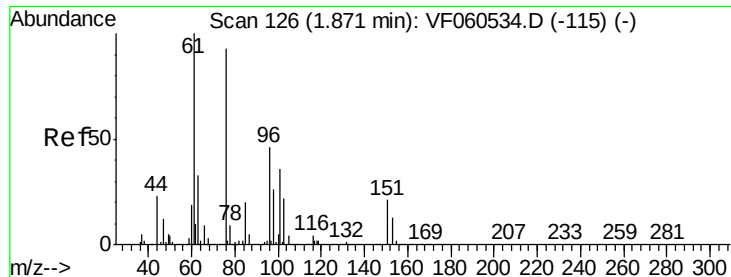
Delta R.T. -0.02 min

Lab File: VF060553.D

Acq: 30 Oct 2018 19:11

Tgt Ion:	43	Resp:	101838
Ion	Ratio	Lower	Upper
43	100		
58	12.2	12.8	19.2#





#17

Carbon Disulfide

Concen: 59.65 ug/l

RT: 1.89 min Scan# 127

Delta R.T. 0.01 min

Lab File: VF060553.D

Acq: 30 Oct 2018 19:11

Instrument :

MSVOA_F

ClientSampleId :

DL-SED-01MSD

Tgt Ion: 76 Resp: 240504

Ion Ratio Lower Upper

76 100

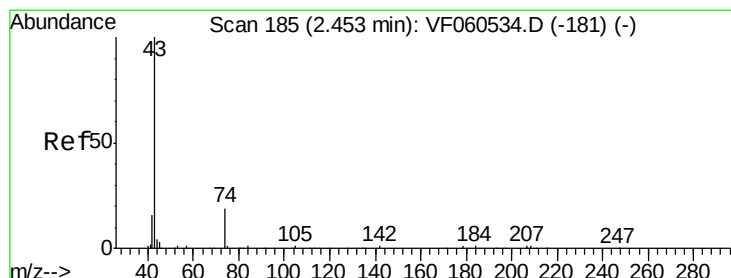
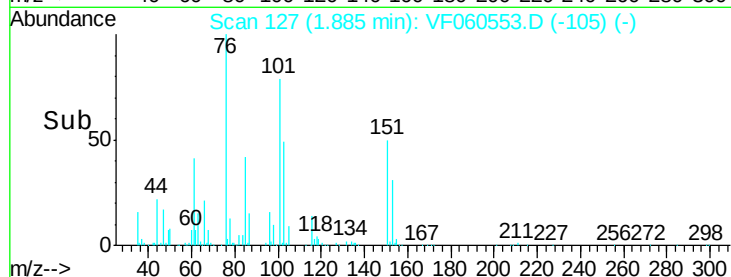
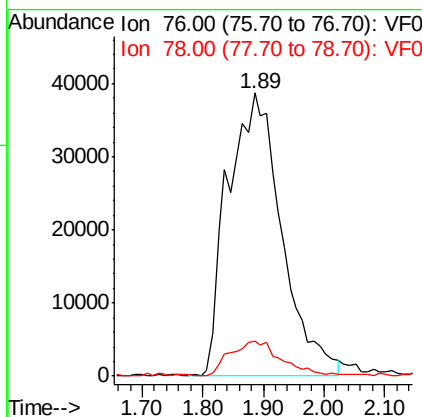
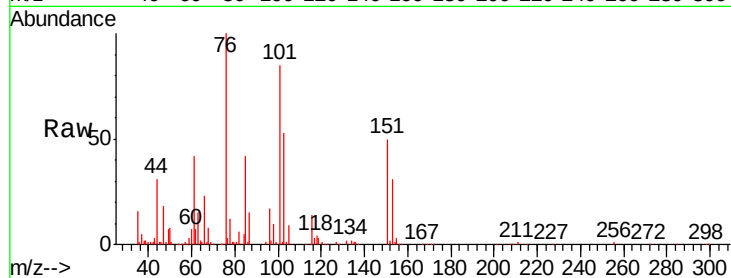
78 12.5 8.0 12.0#

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#18

Methyl Acetate

Concen: 126.98 ug/l

RT: 2.44 min Scan# 183

Delta R.T. -0.01 min

Lab File: VF060553.D

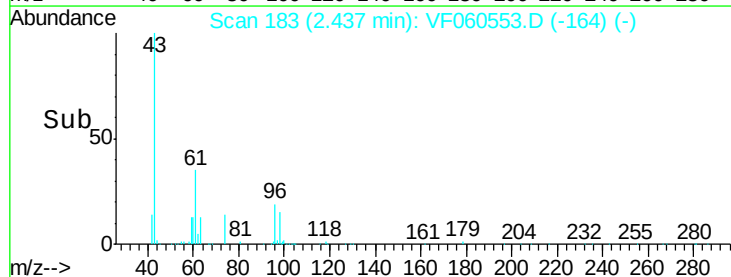
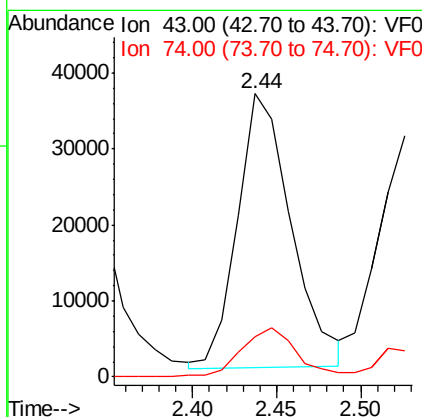
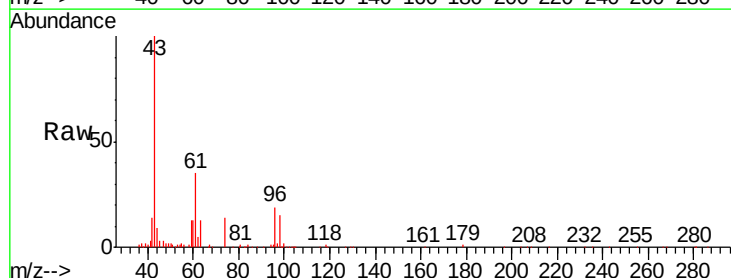
Acq: 30 Oct 2018 19:11

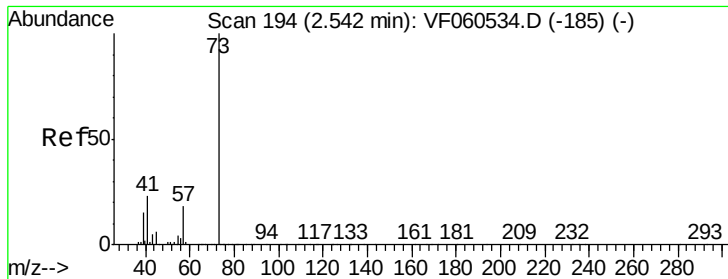
Tgt Ion: 43 Resp: 79636

Ion Ratio Lower Upper

43 100

74 14.1 13.5 20.3





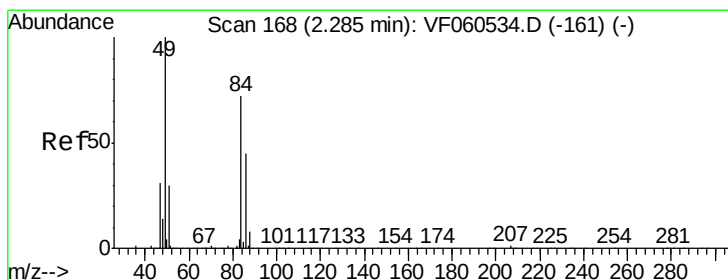
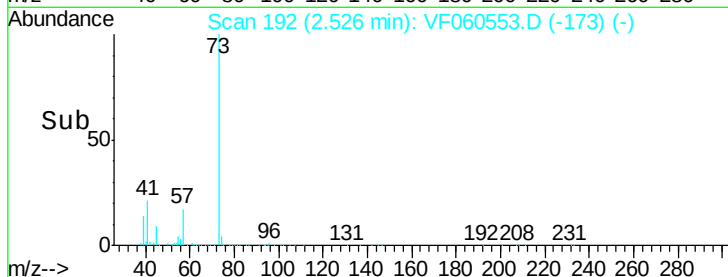
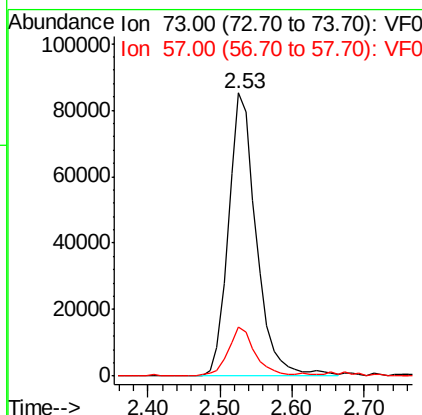
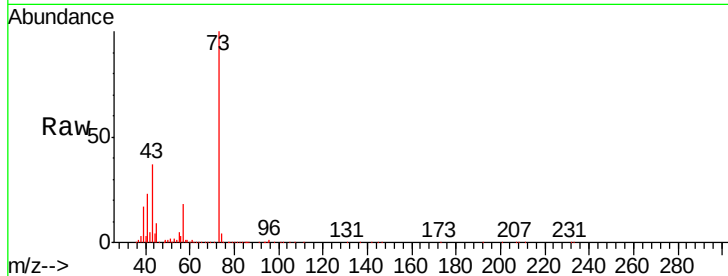
#19
Methyl tert-butyl Ether
Concen: 71.35 ug/l
RT: 2.53 min Scan# 192
Delta R.T. -0.02 min
Lab File: VF060553.D
Acq: 30 Oct 2018 19:11

Instrument :
MSVOA_F
ClientSampleId :
DL-SED-01MSD

Tgt Ion	Ratio	Lower	Upper
73	100		
57	17.5	14.7	22.1

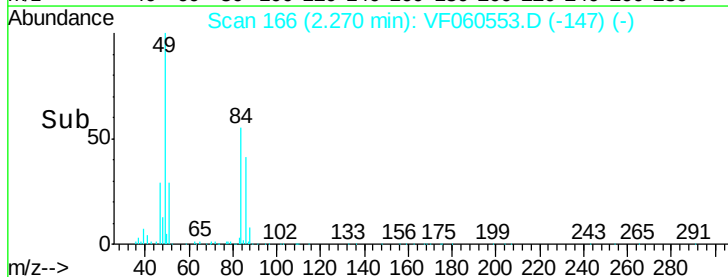
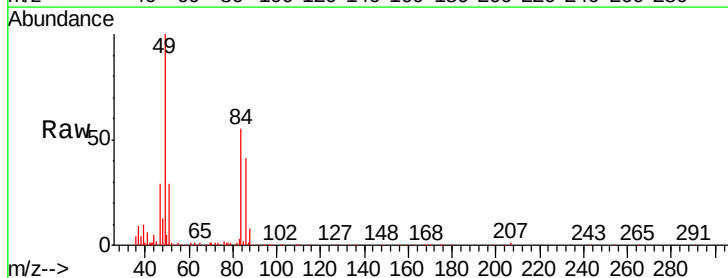
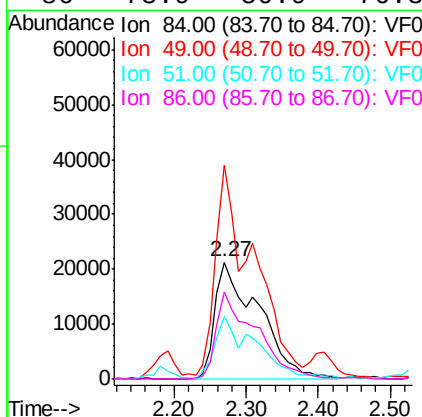
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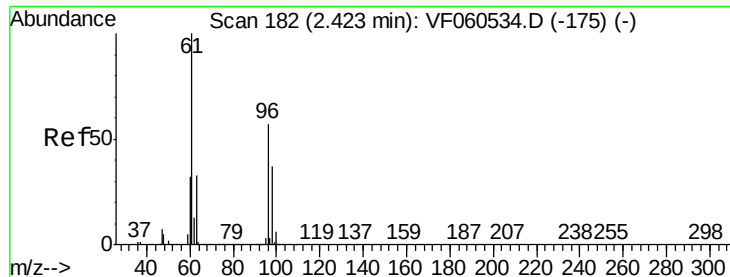
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#20
Methylene Chloride
Concen: 69.29 ug/l
RT: 2.27 min Scan# 166
Delta R.T. -0.02 min
Lab File: VF060553.D
Acq: 30 Oct 2018 19:11

Tgt Ion	Ratio	Lower	Upper
84	100		
49	182.4	115.4	173.0#
51	53.5	35.4	53.2#
86	73.9	50.9	76.3





#21

trans-1,2-Dichloroethene

Concen: 67.44 ug/l

RT: 2.41 min Scan# 180

Delta R.T. -0.02 min

Lab File: VF060553.D

Acq: 30 Oct 2018 19:11

Instrument :

MSVOA_F

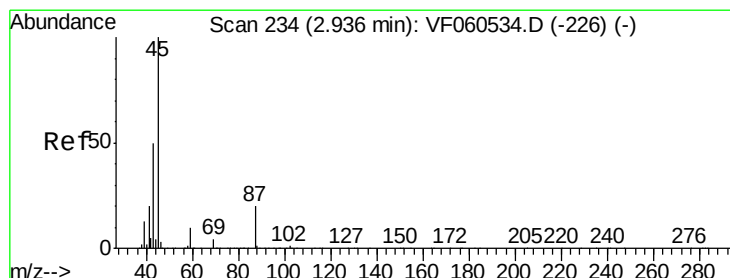
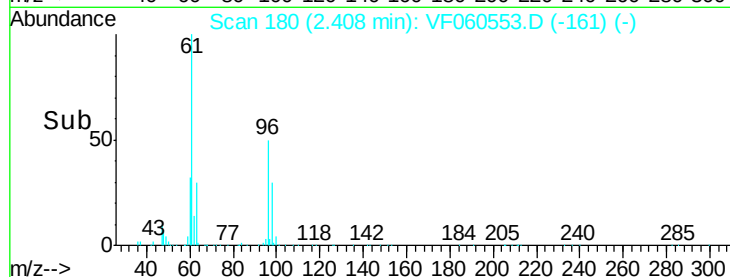
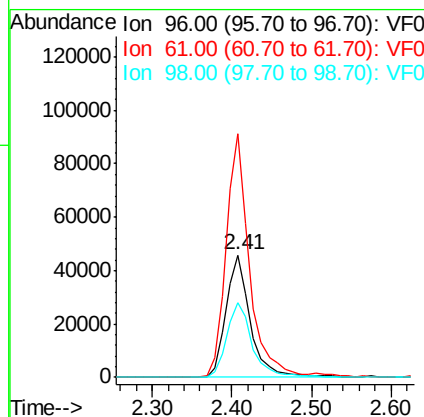
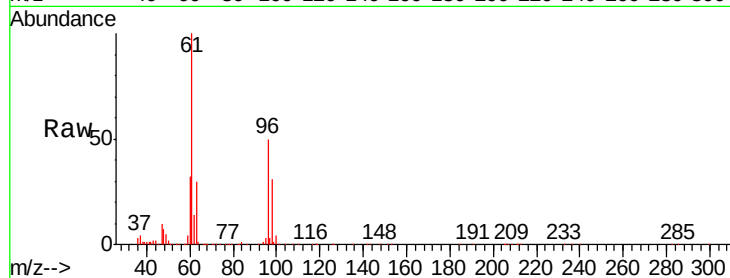
ClientSampleId :

DL-SED-01MSD

Tgt Ion:	96	Resp:	98954
Ion Ratio	Lower	Upper	
96	100		
61	199.1	139.8	209.6
98	60.9	52.2	78.4

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#22

Diisopropyl ether

Concen: 69.37 ug/l

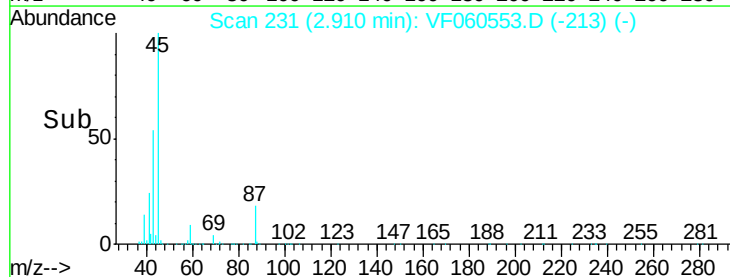
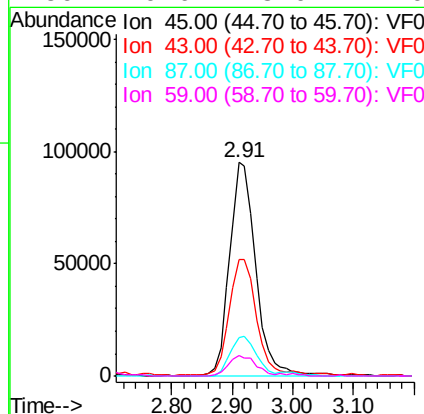
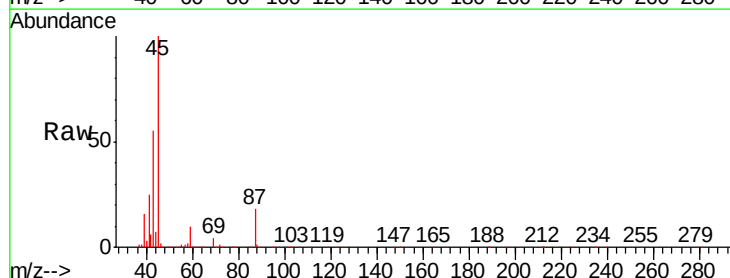
RT: 2.91 min Scan# 231

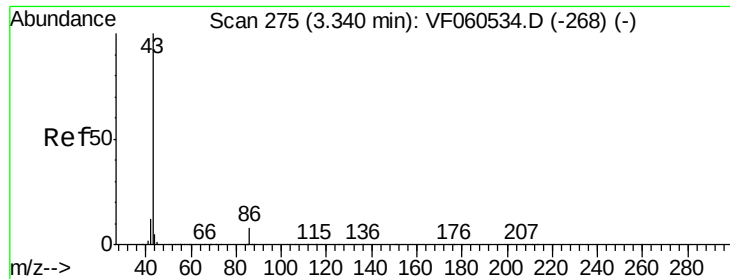
Delta R.T. -0.03 min

Lab File: VF060553.D

Acq: 30 Oct 2018 19:11

Tgt Ion:	45	Resp:	287444
Ion Ratio	Lower	Upper	
45	100		
43	54.8	40.6	60.8
87	18.0	15.9	23.9
59	9.6	8.0	12.0





#23

Vinyl Acetate

Concen: 83.87 ug/l

RT: 3.32 min Scan# 273

Delta R.T. -0.02 min

Lab File: VF060553.D

Acq: 30 Oct 2018 19:11

Instrument :

MSVOA_F

ClientSampleId :

DL-SED-01MSD

Tgt Ion: 43 Resp: 128898

Ion Ratio Lower Upper

43 100

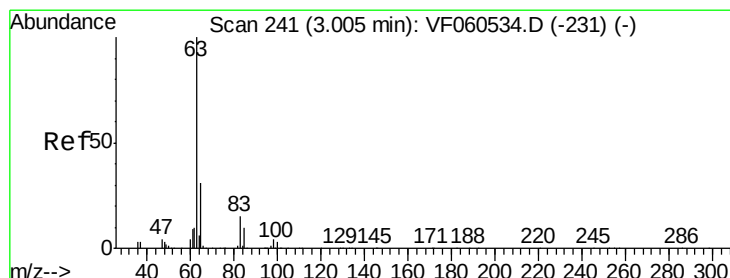
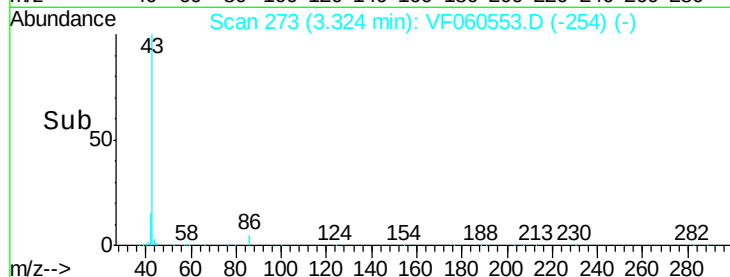
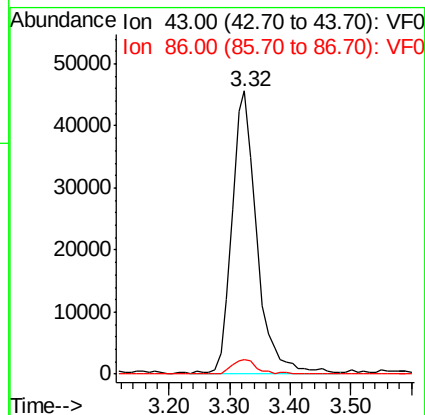
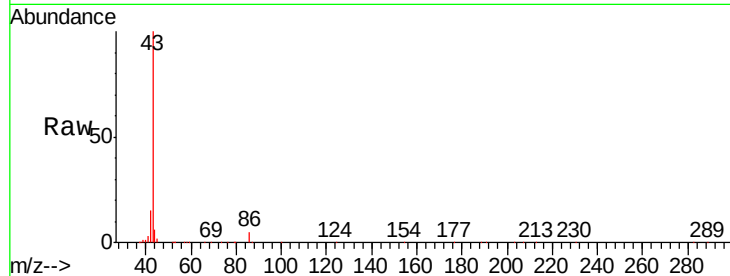
86 5.2 6.2 9.2#

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#24

1,1-Dichloroethane

Concen: 71.50 ug/l

RT: 2.99 min Scan# 239

Delta R.T. -0.02 min

Lab File: VF060553.D

Acq: 30 Oct 2018 19:11

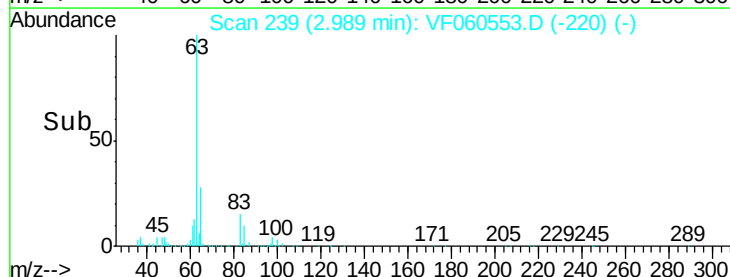
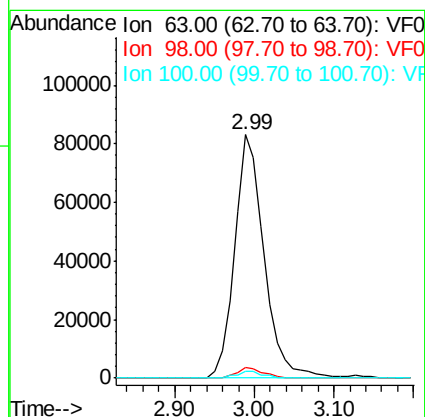
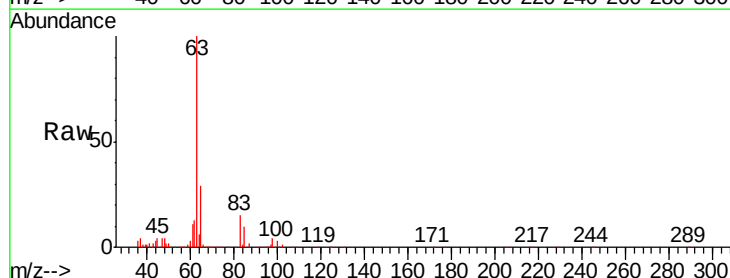
Tgt Ion: 63 Resp: 213770

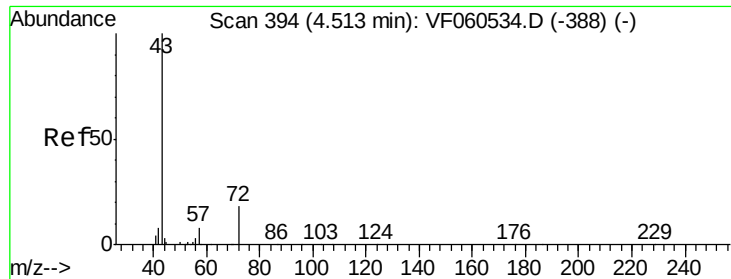
Ion Ratio Lower Upper

63 100

98 4.4 2.0 6.0

100 2.9 1.4 4.0





#25

2-Butanone

Concen: 210.16 ug/l

RT: 4.50 min Scan# 392

Delta R.T. -0.02 min

Lab File: VF060553.D

Acq: 30 Oct 2018 19:11

Instrument :

MSVOA_F

ClientSampleId :

DL-SED-01MSD

Tgt Ion: 43 Resp: 98828

Ion Ratio Lower Upper

43 100

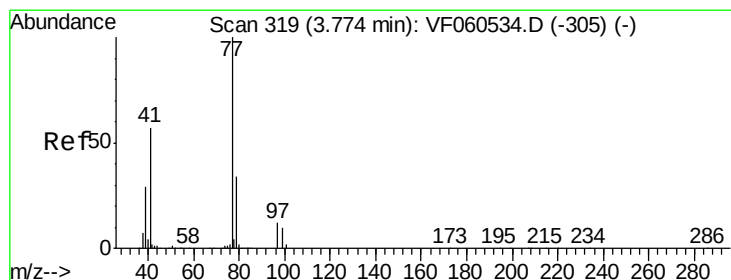
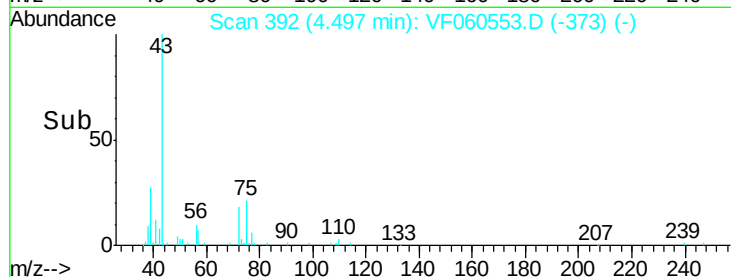
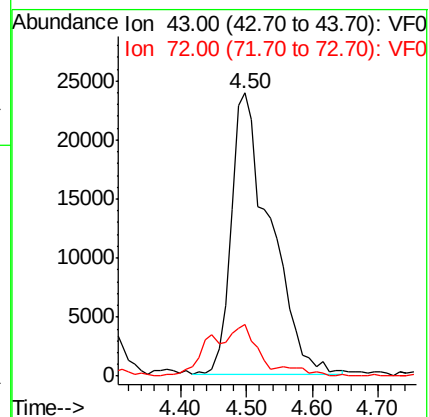
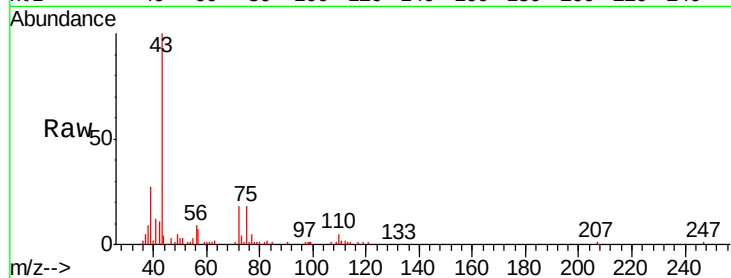
72 18.2 17.4 26.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 73.25 ug/l

RT: 3.76 min Scan# 317

Delta R.T. -0.02 min

Lab File: VF060553.D

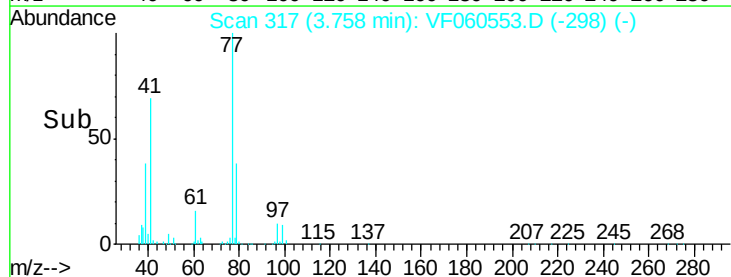
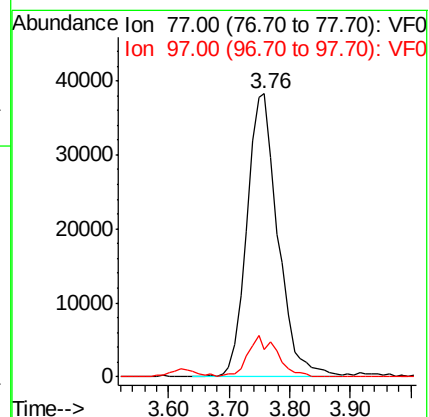
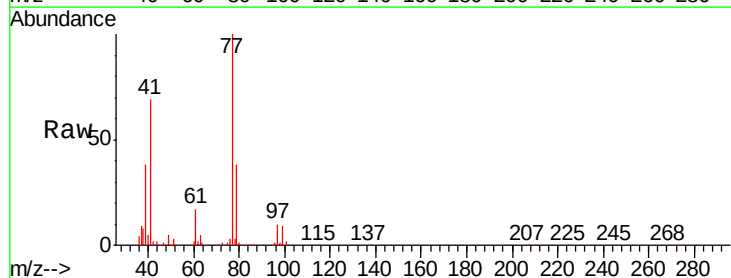
Acq: 30 Oct 2018 19:11

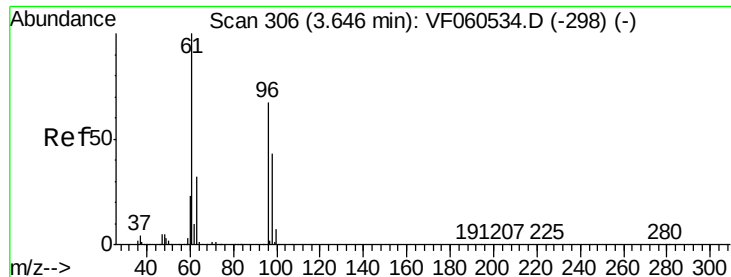
Tgt Ion: 77 Resp: 136106

Ion Ratio Lower Upper

77 100

97 9.8 8.5 25.5





#27

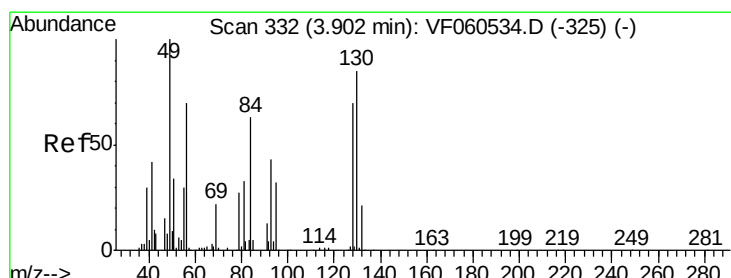
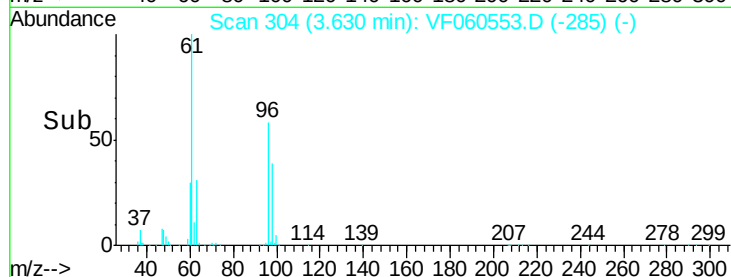
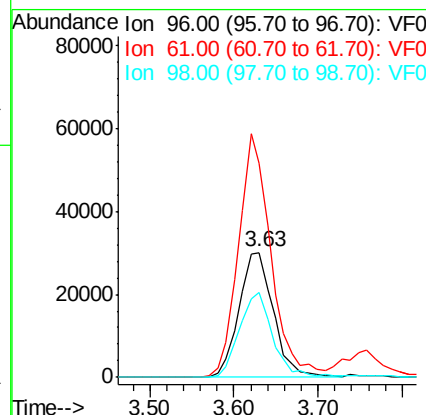
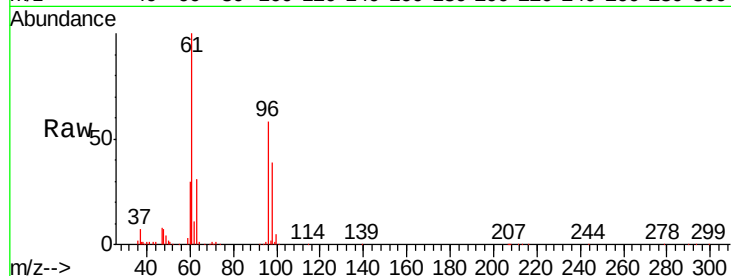
cis-1,2-Dichloroethene
Concen: 48.95 ug/l
RT: 3.63 min Scan# 304
Delta R.T. -0.02 min
Lab File: VF060553.D
Acq: 30 Oct 2018 19:11

Instrument :
MSVOA_F
ClientSampleId :
DL-SED-01MSD

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	86604		
61	171.5	0.0	300.8	
98	67.6	0.0	128.4	

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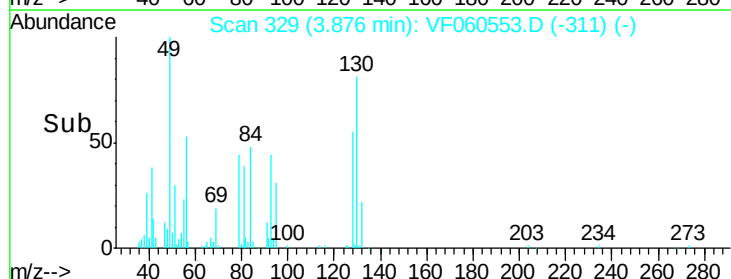
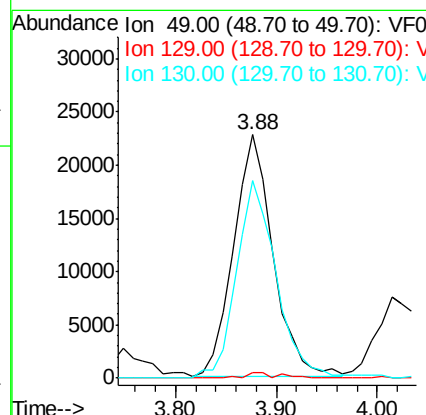
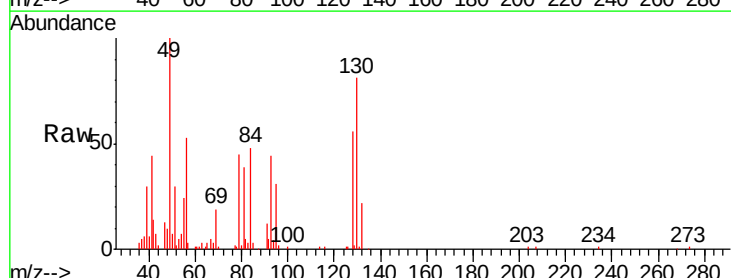
MMDadoda
10/31/2018 11:36:43 AM

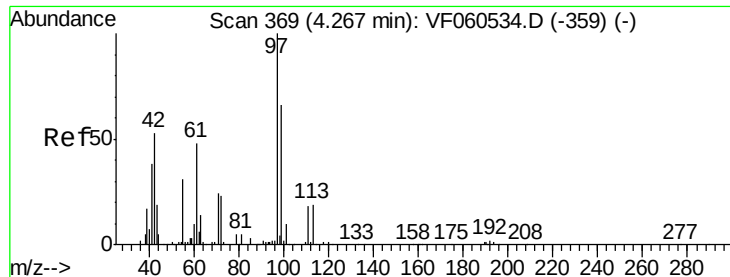


#28

Bromochloromethane
Concen: 57.55 ug/l
RT: 3.88 min Scan# 329
Delta R.T. -0.03 min
Lab File: VF060553.D
Acq: 30 Oct 2018 19:11

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	61978		
129	2.3	0.0	4.8	
130	81.0	67.5	101.3	





#29

Tetrahydrofuran

Concen: 251.63 ug/l

RT: 4.24 min Scan# 366

Delta R.T. -0.02 min

Lab File: VF060553.D

Acq: 30 Oct 2018 19:11

Instrument :

MSVOA_F

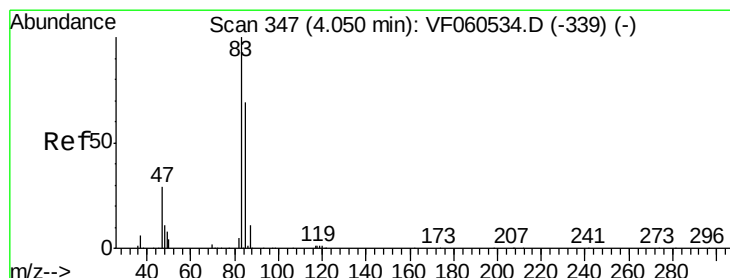
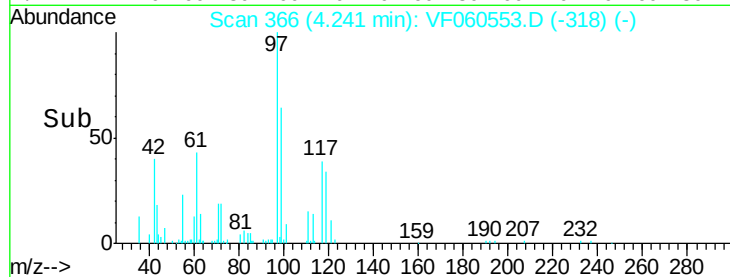
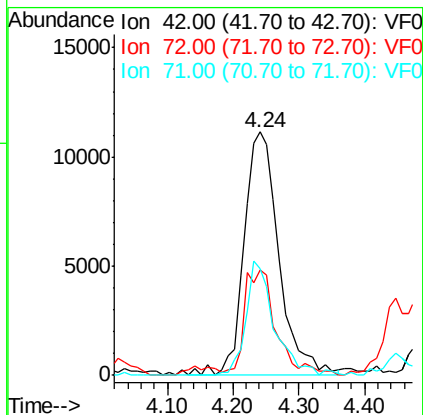
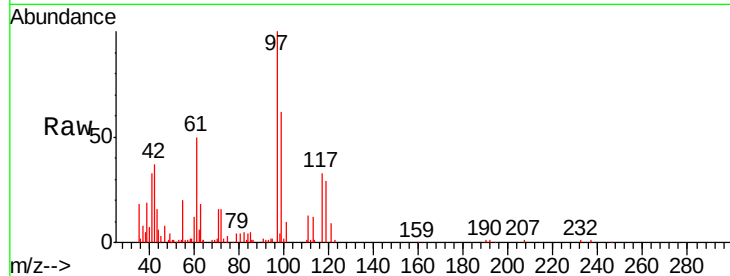
ClientSampleId :

DL-SED-01MSD

Tgt Ion:	42	Resp:	41390
Ion Ratio	Lower	Upper	
42	100		
72	39.8	32.5	48.7
71	37.8	34.5	51.7

Manual Integrations
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#30

Chloroform

Concen: 67.92 ug/l

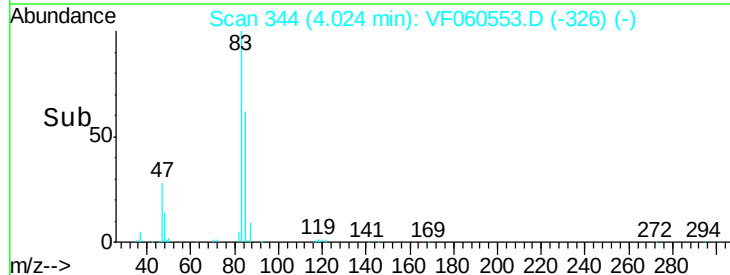
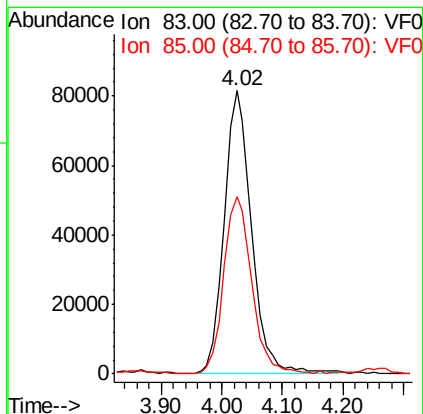
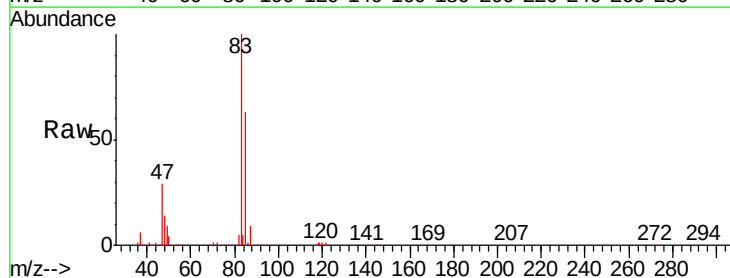
RT: 4.02 min Scan# 344

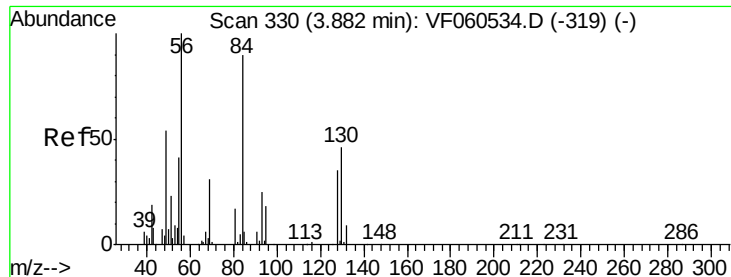
Delta R.T. -0.03 min

Lab File: VF060553.D

Acq: 30 Oct 2018 19:11

Tgt Ion:	83	Resp:	256467
Ion Ratio	Lower	Upper	
83	100		
85	62.5	55.0	82.4





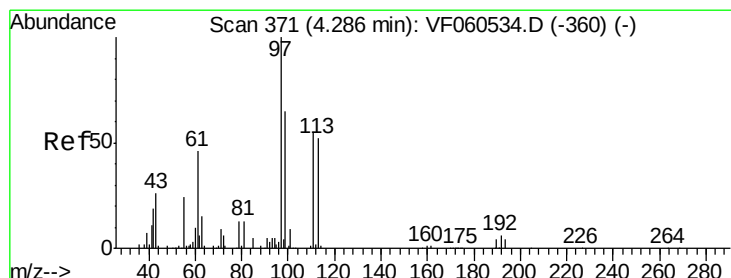
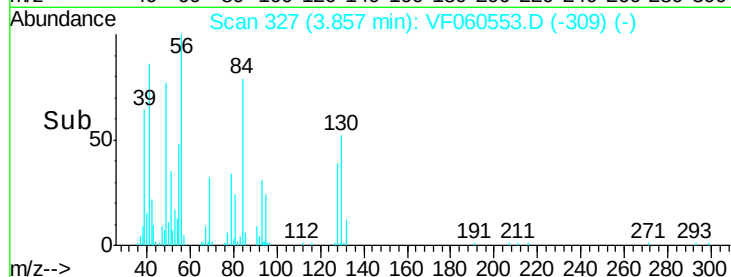
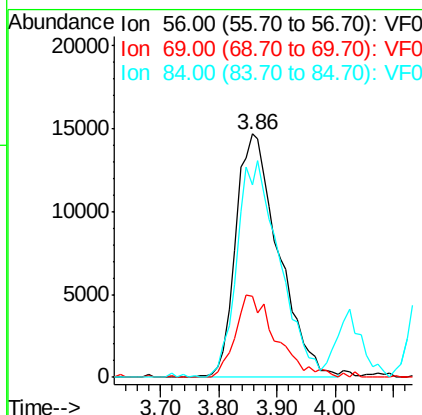
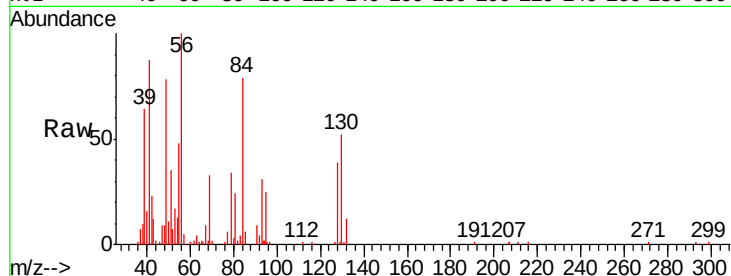
#31
Cyclohexane
Concen: 35.31 ug/l
RT: 3.86 min Scan# 327
Delta R.T. -0.03 min
Lab File: VF060553.D
Acq: 30 Oct 2018 19:11

Instrument :
MSVOA_F
ClientSampleId :
DL-SED-01MSD

Tgt Ion	Ratio	Lower	Upper
56	100		
69	33.2	25.0	37.6
84	79.2	72.1	108.1

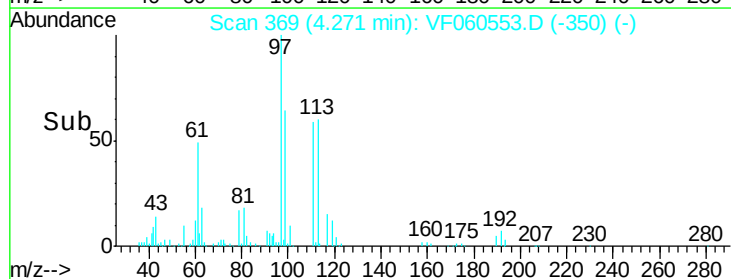
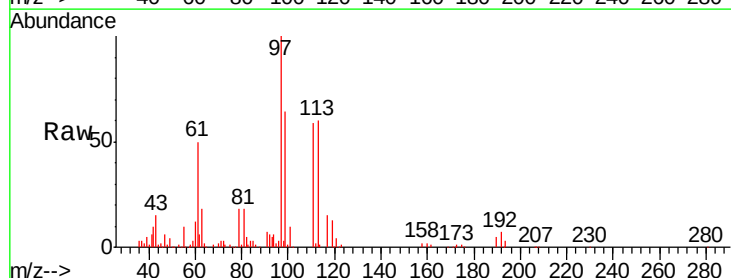
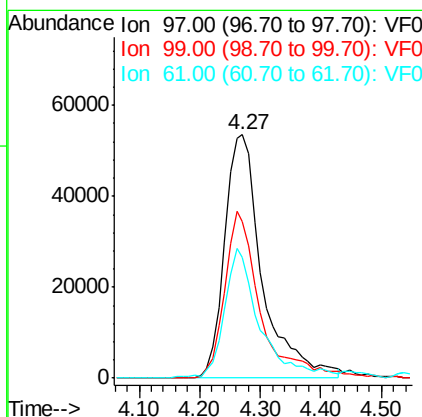
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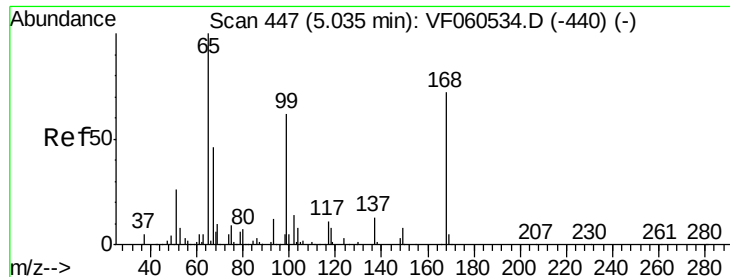
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#32
1,1,1-Trichloroethane
Concen: 74.22 ug/l
RT: 4.27 min Scan# 369
Delta R.T. -0.02 min
Lab File: VF060553.D
Acq: 30 Oct 2018 19:11

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.7	77.5
61	49.7	36.8	55.2





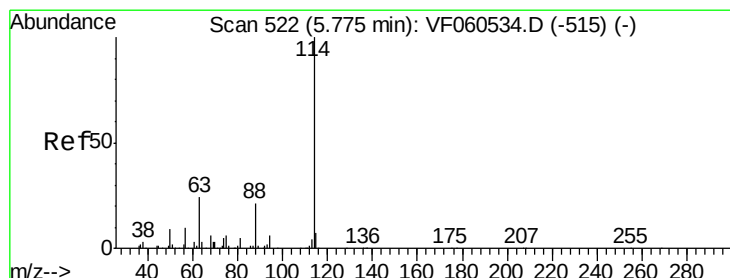
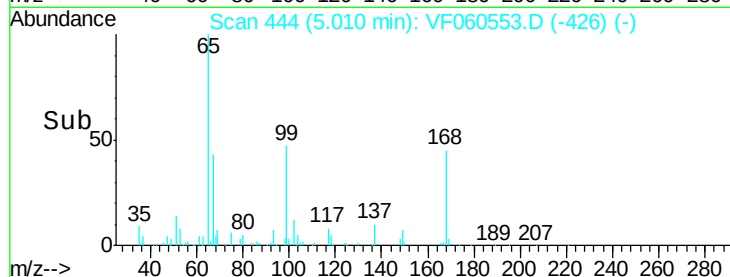
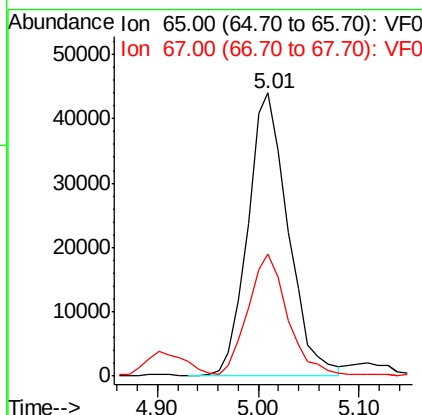
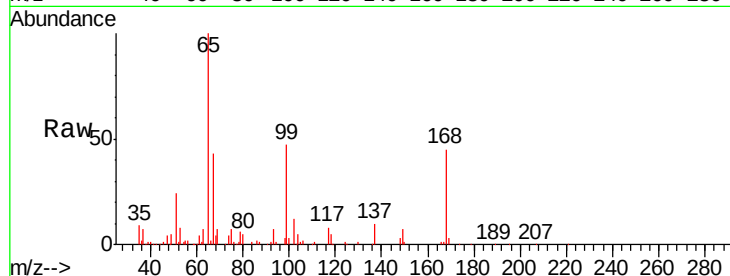
#33
 1,2-Dichloroethane-d4
 Concen: 62.33 ug/l
 RT: 5.01 min Scan# 444
 Delta R.T. -0.03 min
 Lab File: VF060553.D
 Acq: 30 Oct 2018 19:11

Instrument :
 MSVOA_F
 ClientSampleId :
 DL-SED-01MSD

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	122720		
67	42.9	0.0	94.4	

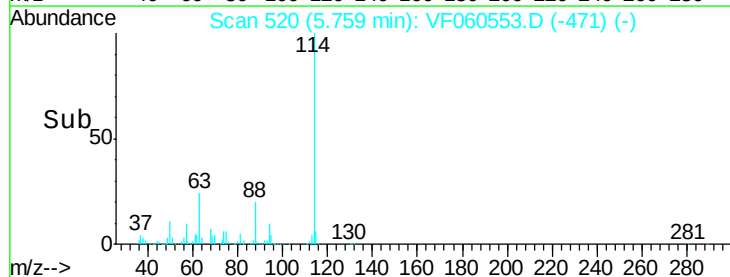
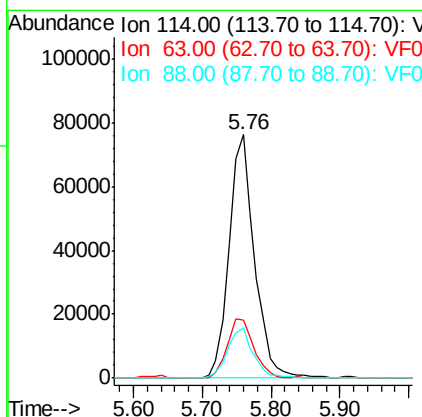
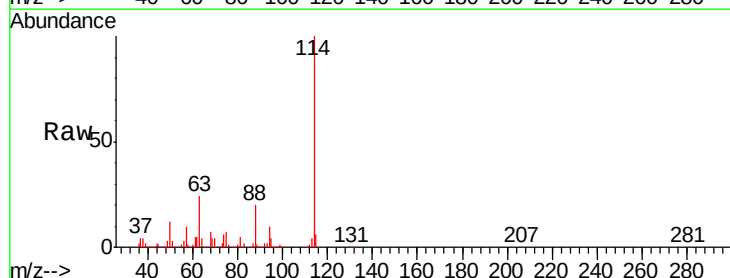
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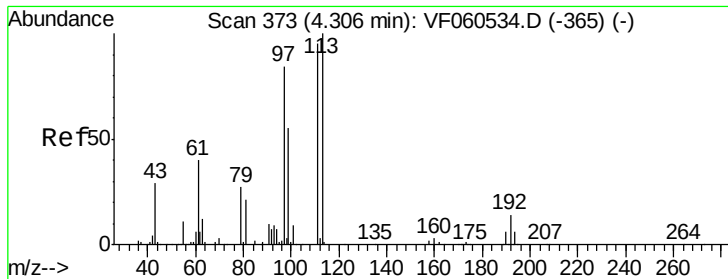
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.76 min Scan# 520
 Delta R.T. -0.02 min
 Lab File: VF060553.D
 Acq: 30 Oct 2018 19:11

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	195136		
63	23.6	0.0	48.0	
88	20.5	0.0	42.0	





#35

Dibromofluoromethane

Concen: 60.51 ug/l

RT: 4.28 min Scan# 370

Delta R.T. -0.03 min

Lab File: VF060553.D

Acq: 30 Oct 2018 19:11

Instrument :

MSVOA_F

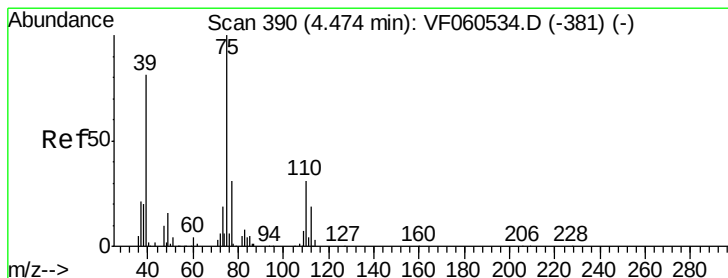
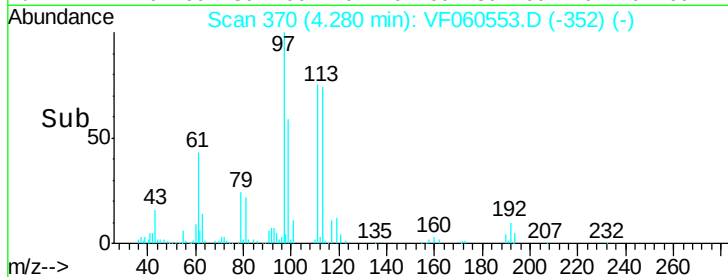
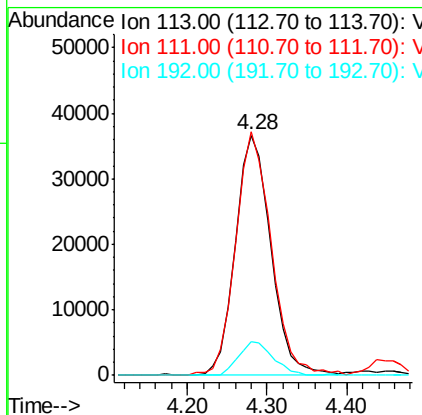
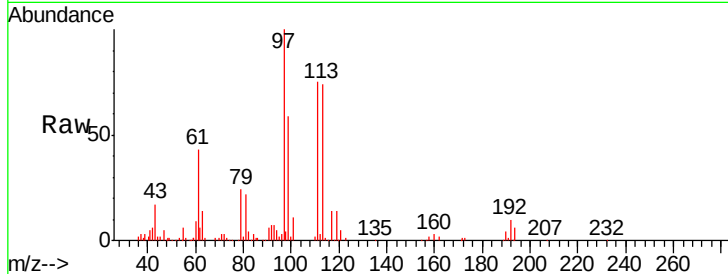
ClientSampleId :

DL-SED-01MSD

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	113310		
111	101.5	75.9	113.9	
192	14.0	11.2	16.8	

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#36

1,1-Dichloropropene

Concen: 56.64 ug/l

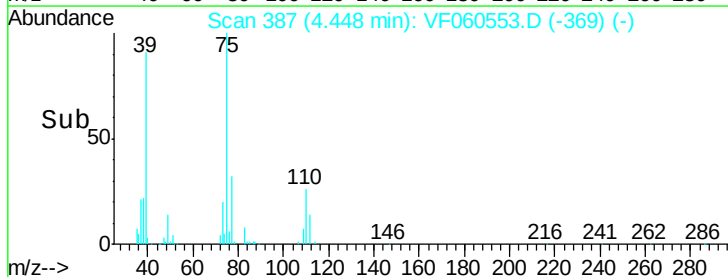
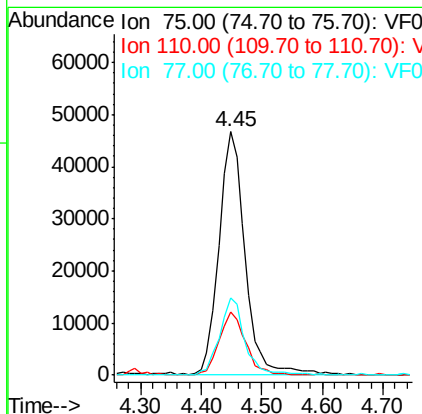
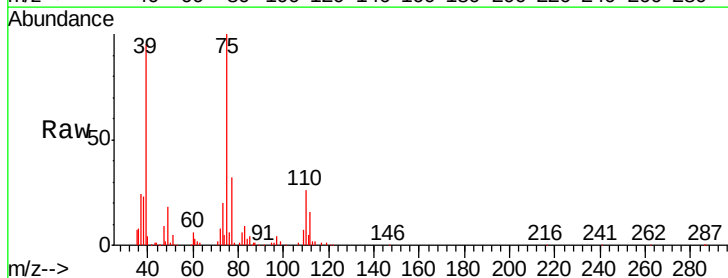
RT: 4.45 min Scan# 387

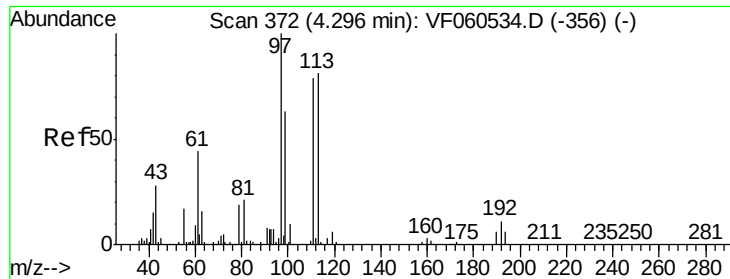
Delta R.T. -0.03 min

Lab File: VF060553.D

Acq: 30 Oct 2018 19:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	137717		
110	26.1	15.3	45.8	
77	31.8	24.8	37.2	





#37

Ethyl Acetate

Concen: 45.26 ug/l

RT: 4.28 min Scan# 370

Delta R.T. -0.02 min

Lab File: VF060553.D

Acq: 30 Oct 2018 19:11

Instrument :

MSVOA_F

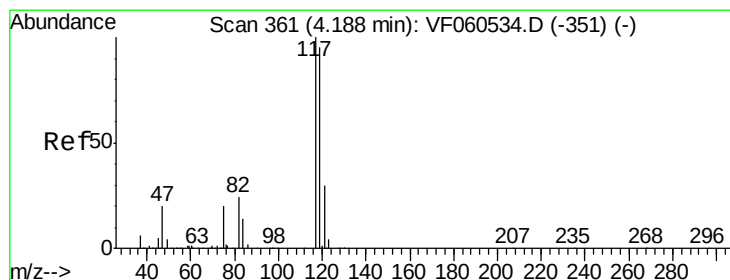
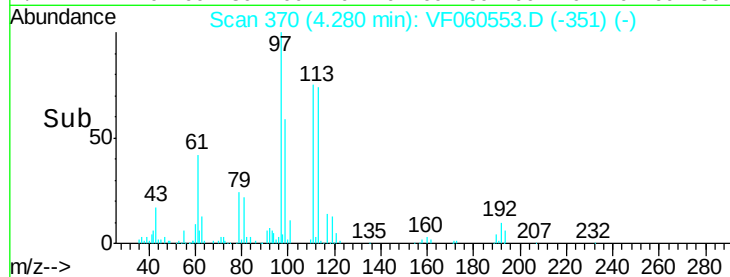
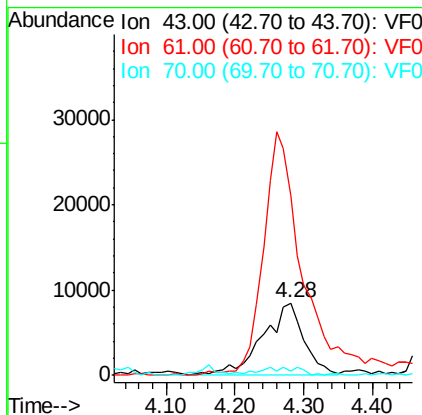
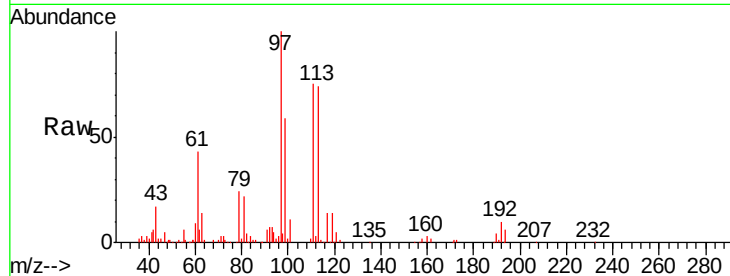
ClientSampleId :

DL-SED-01MSD

Tgt Ion:	43	Resp:	35625
Ion Ratio	Lower	Upper	
43	100		
61	246.6	123.9	185.9#
70	6.7	7.3	10.9#

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 72.64 ug/l m

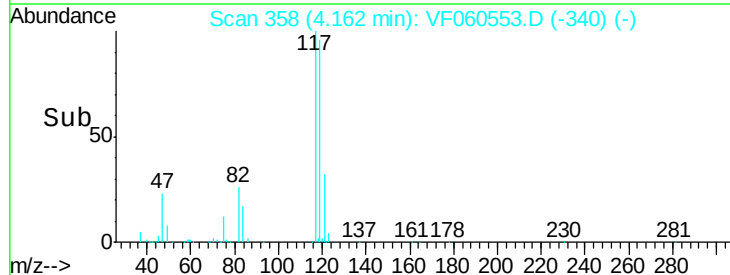
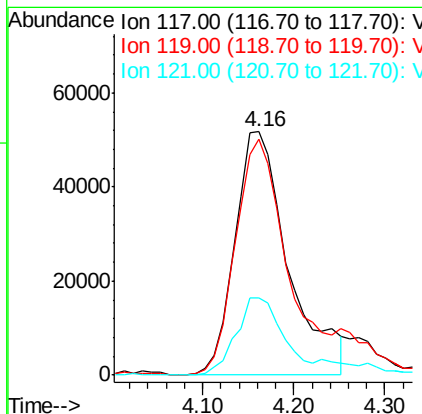
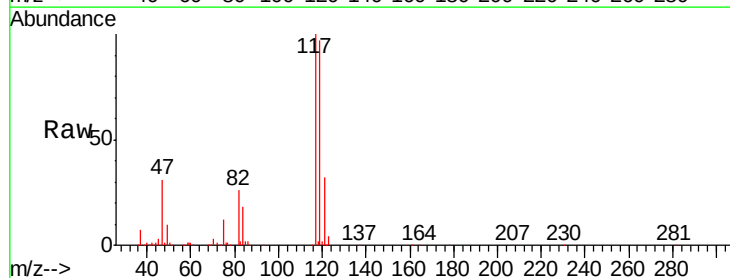
RT: 4.16 min Scan# 358

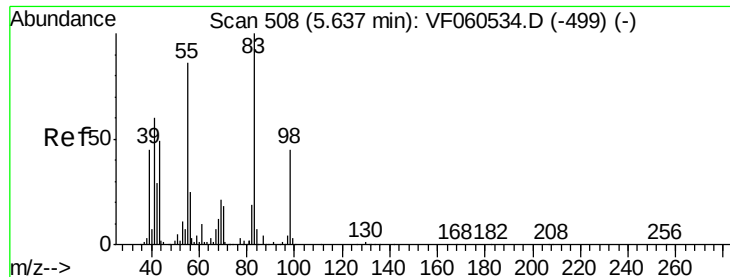
Delta R.T. -0.03 min

Lab File: VF060553.D

Acq: 30 Oct 2018 19:11

Tgt Ion:	117	Resp:	211466
Ion Ratio	Lower	Upper	
117	100		
119	96.7	76.5	114.7
121	31.8	24.3	36.5





#39

Methylcyclohexane

Concen: 24.41 ug/l

RT: 5.61 min Scan# 505

Delta R.T. -0.03 min

Lab File: VF060553.D

Acq: 30 Oct 2018 19:11

Instrument :

MSVOA_F

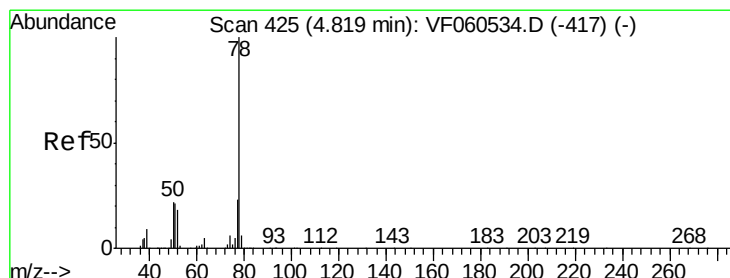
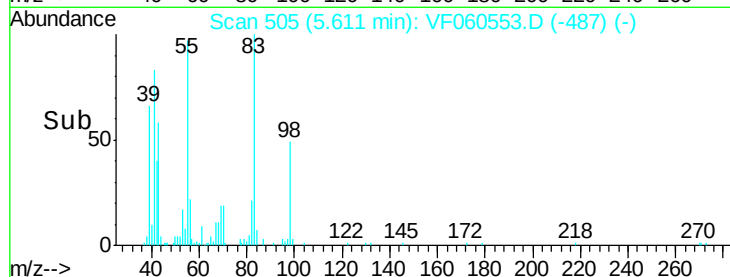
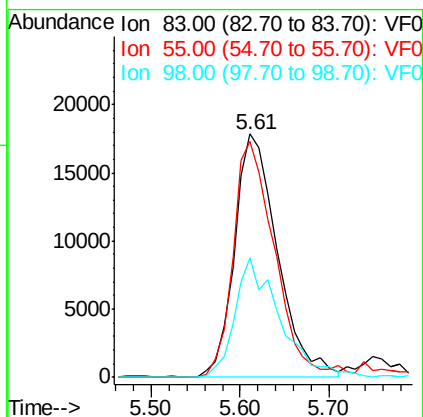
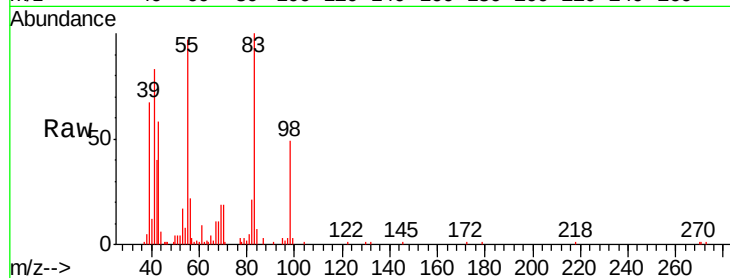
ClientSampleId :

DL-SED-01MSD

Tgt Ion:	83	Resp:	59922
Ion Ratio	Lower	Upper	
83	100		
55	96.8	69.0	103.4
98	48.8	36.1	54.1

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#40

Benzene

Concen: 53.16 ug/l

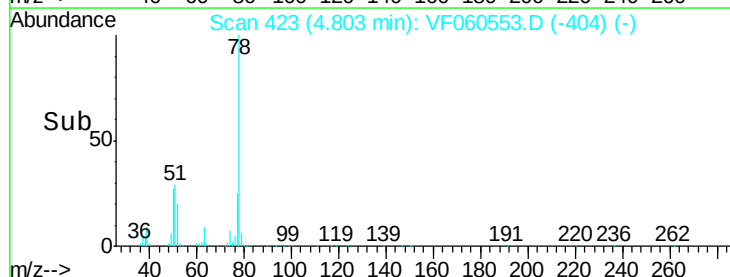
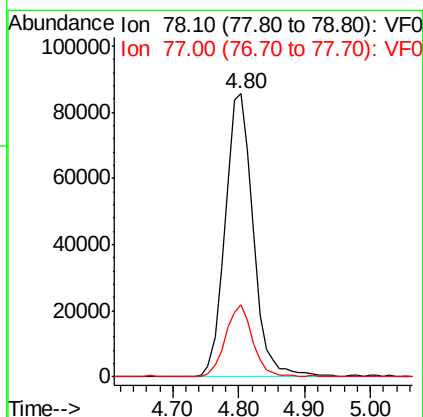
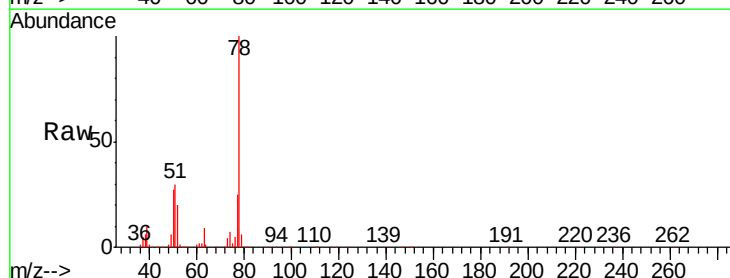
RT: 4.80 min Scan# 423

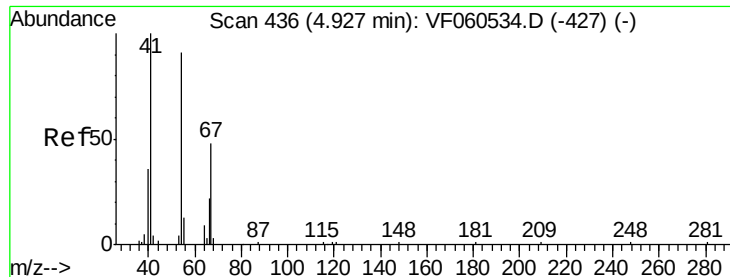
Delta R.T. -0.02 min

Lab File: VF060553.D

Acq: 30 Oct 2018 19:11

Tgt Ion:	78	Resp:	256335
Ion Ratio	Lower	Upper	
78	100		
77	25.3	18.5	27.7





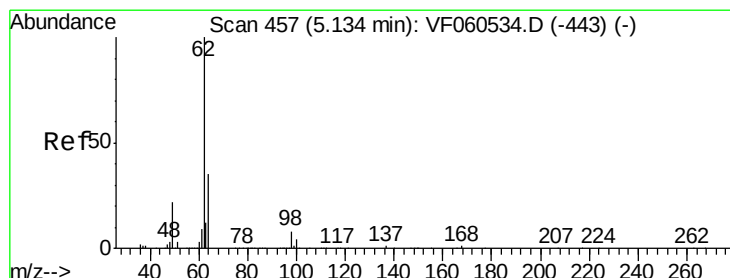
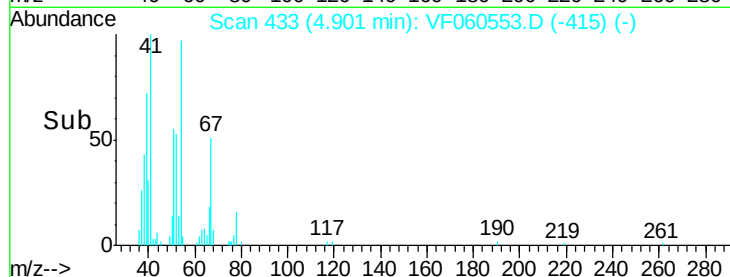
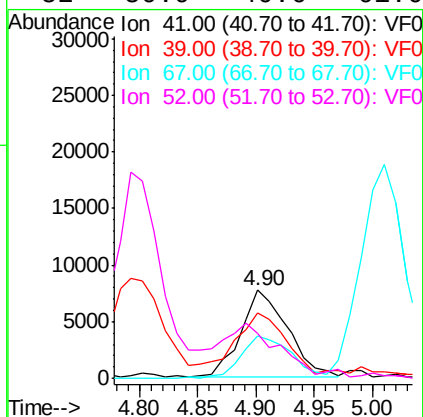
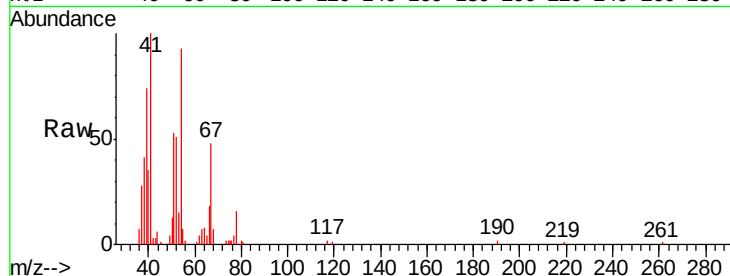
#41
Methacrylonitrile
Concen: 46.86 ug/l
RT: 4.90 min Scan# 433
Delta R.T. -0.03 min
Lab File: VF060553.D
Acq: 30 Oct 2018 19:11

Instrument :
MSVOA_F
ClientSampleId :
DL-SED-01MSD

Tgt Ion	Ratio	Lower	Upper
41	100		
39	74.2	51.0	76.6
67	48.5	38.0	57.0
52	50.9	40.6	61.0

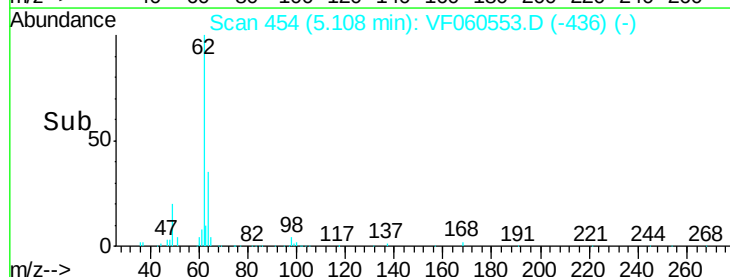
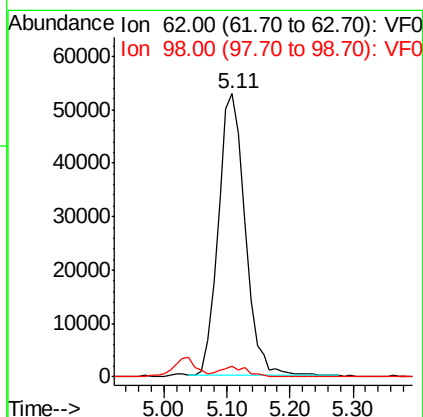
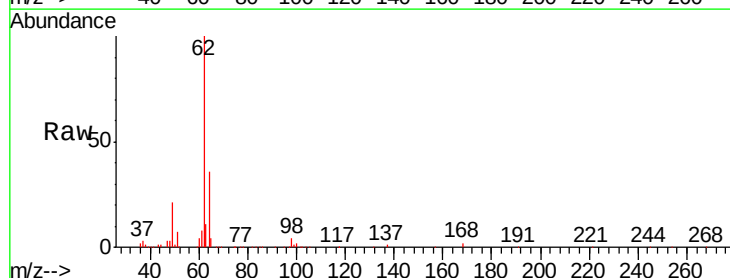
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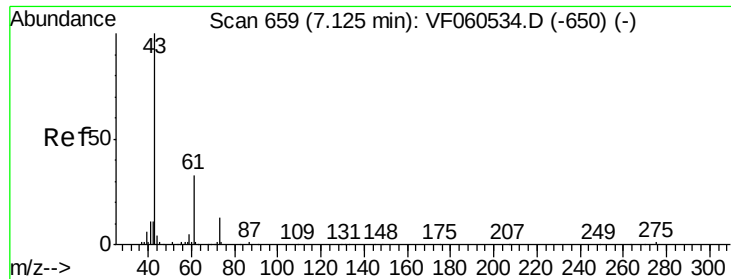
MMDadoda
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#42
1,2-Dichloroethane
Concen: 69.76 ug/l
RT: 5.11 min Scan# 454
Delta R.T. -0.03 min
Lab File: VF060553.D
Acq: 30 Oct 2018 19:11

Tgt Ion	Ratio	Lower	Upper
62	100		
98	3.9	0.0	15.8





#43

Isopropyl Acetate

Concen: 32.25 ug/l

RT: 7.10 min Scan# 656

Delta R.T. -0.03 min

Lab File: VF060553.D

Acq: 30 Oct 2018 19:11

Instrument :

MSVOA_F

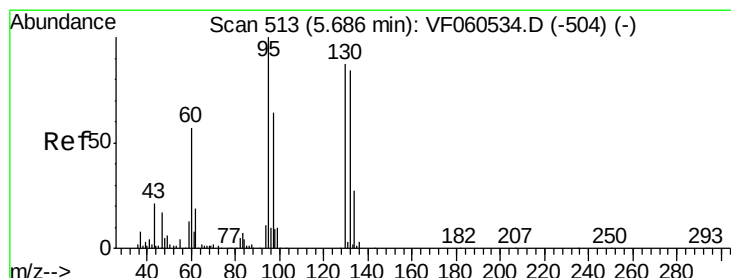
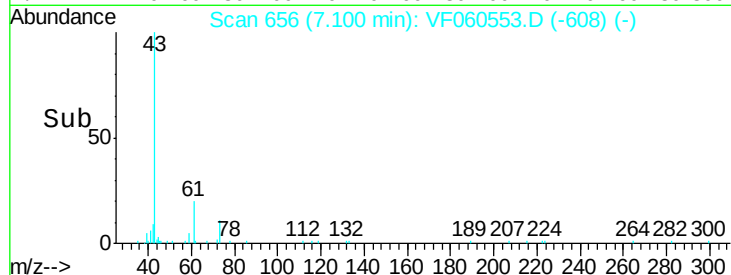
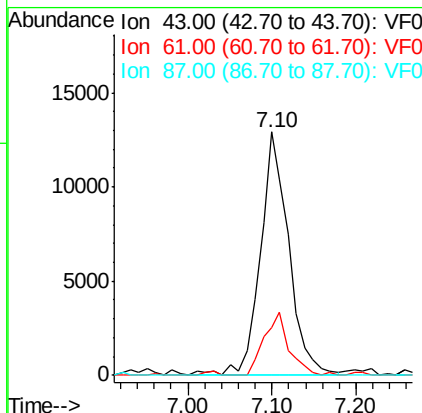
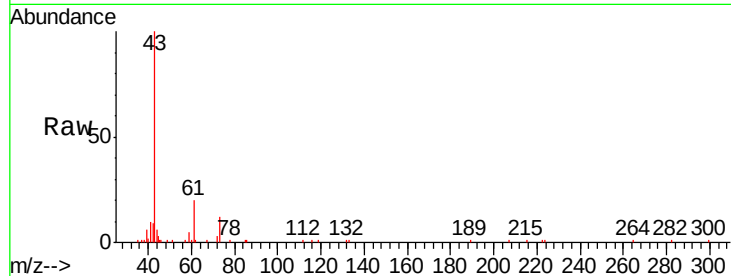
ClientSampleId :

DL-SED-01MSD

Tgt Ion:	43	Resp:	30722
Ion	Ratio	Lower	Upper
43	100		
61	19.6	26.6	40.0#
87	0.0	0.6	1.0#

Manual Integrations
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#44

Trichloroethene

Concen: 52.44 ug/l

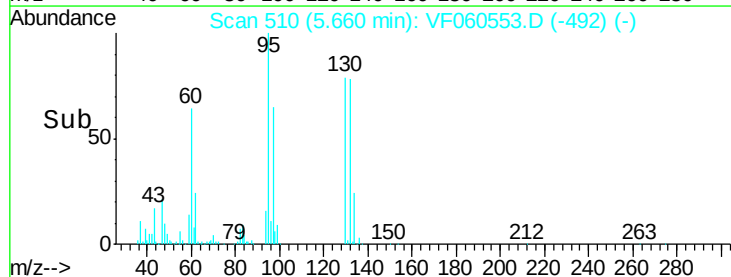
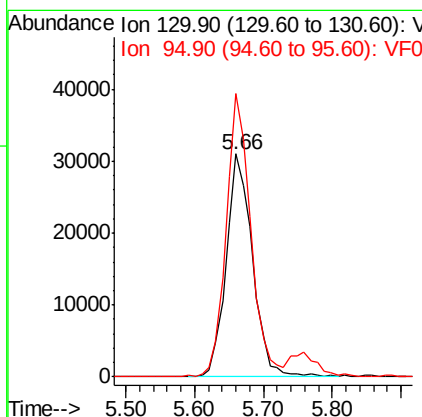
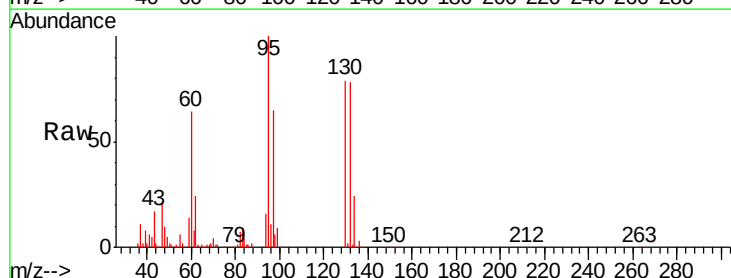
RT: 5.66 min Scan# 510

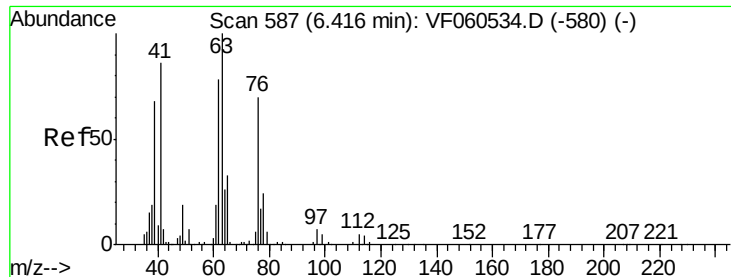
Delta R.T. -0.03 min

Lab File: VF060553.D

Acq: 30 Oct 2018 19:11

Tgt Ion:	130	Resp:	81746
Ion	Ratio	Lower	Upper
130	100		
95	126.9	0.0	229.4





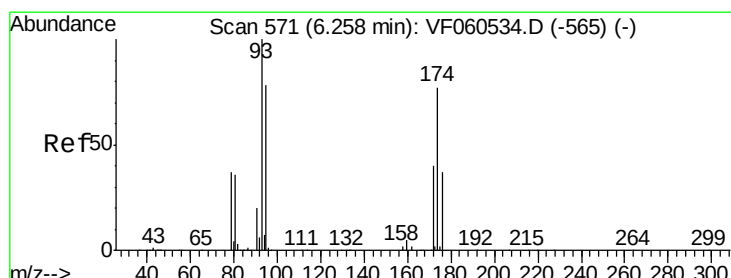
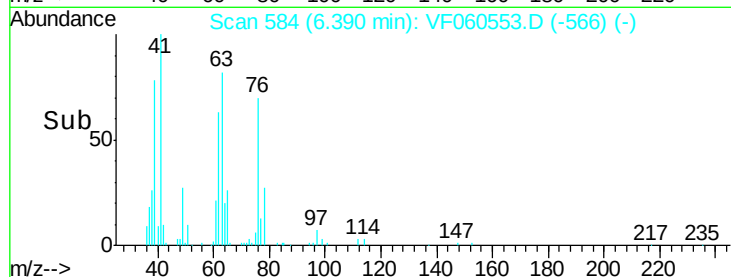
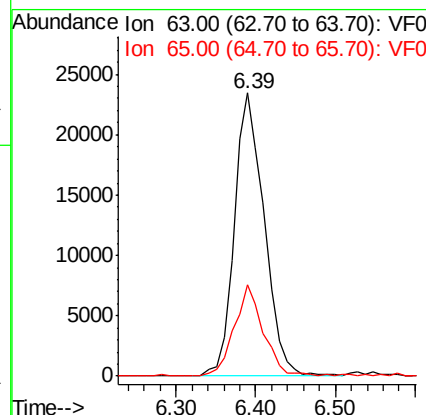
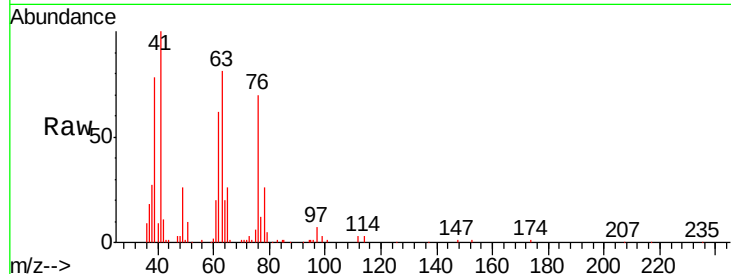
#45
 1,2-Dichloropropane
 Concen: 50.80 ug/l
 RT: 6.39 min Scan# 584
 Delta R.T. -0.03 min
 Lab File: VF060553.D
 Acq: 30 Oct 2018 19:11

Instrument :
 MSVOA_F
 ClientSampleId :
 DL-SED-01MSD

Tgt Ion: 63 Resp: 61135
 Ion Ratio Lower Upper
 63 100
 65 32.2 26.5 39.7

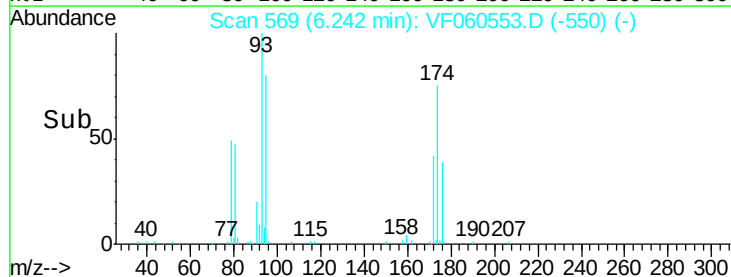
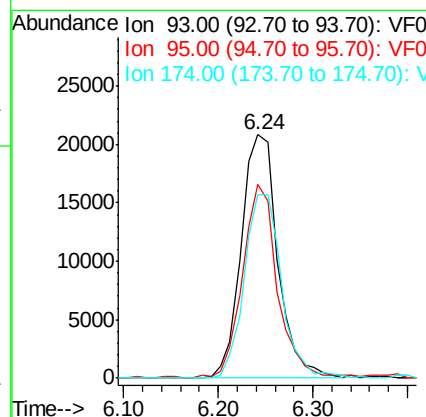
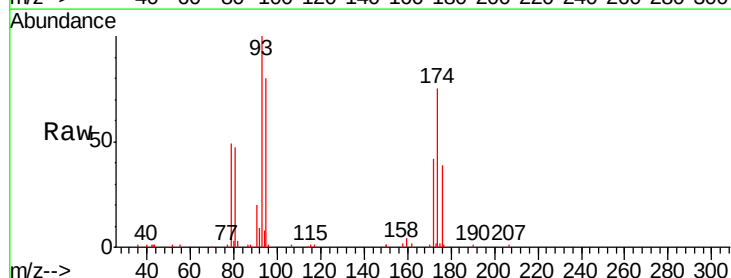
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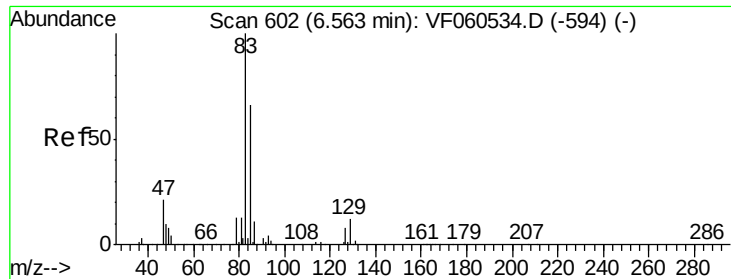
MMDadoda
 10/31/2018 11:36:43 AM



#46
 Dibromomethane
 Concen: 59.15 ug/l
 RT: 6.24 min Scan# 569
 Delta R.T. -0.02 min
 Lab File: VF060553.D
 Acq: 30 Oct 2018 19:11

Tgt Ion: 93 Resp: 55893
 Ion Ratio Lower Upper
 93 100
 95 79.8 64.3 96.5
 174 75.4 63.3 94.9





#47

Bromodichloromethane

Concen: 65.32 ug/l

RT: 6.54 min Scan# 599

Delta R.T. -0.03 min

Lab File: VF060553.D

Acq: 30 Oct 2018 19:11

Instrument :

MSVOA_F

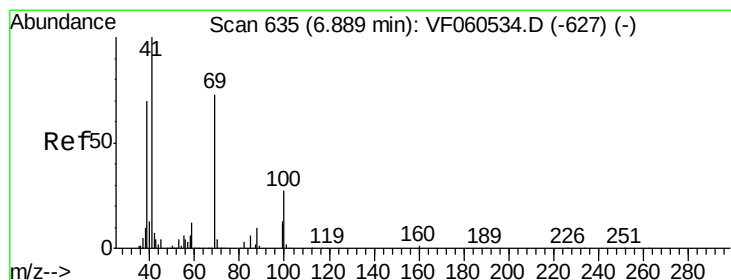
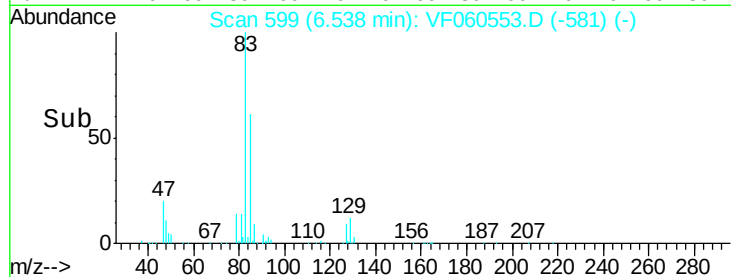
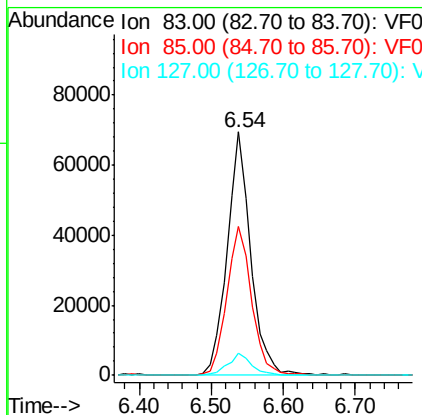
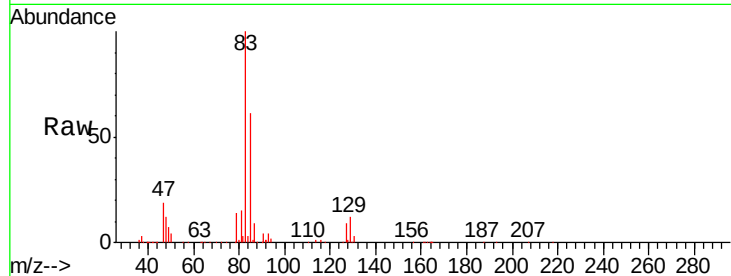
ClientSampleId :

DL-SED-01MSD

Tgt Ion:	83	Resp:	158392
Ion	Ratio	Lower	Upper
83	100		
85	61.0	52.7	79.1
127	9.1	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 55.21 ug/l

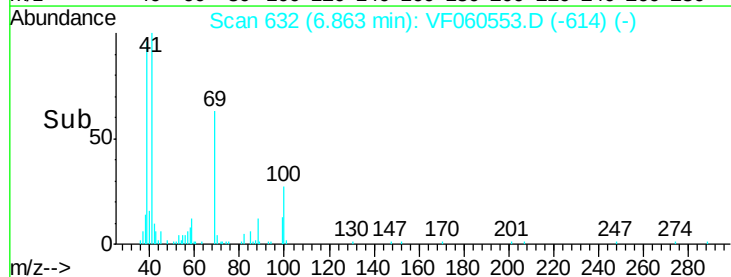
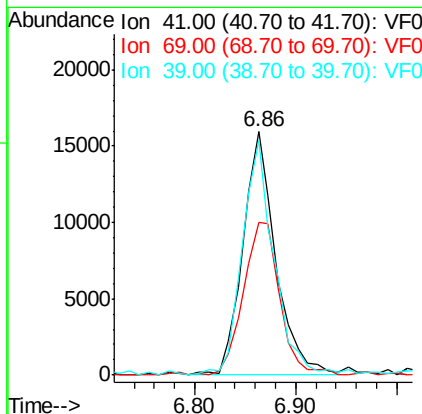
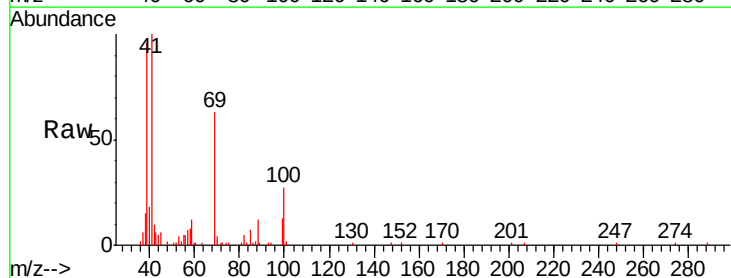
RT: 6.86 min Scan# 632

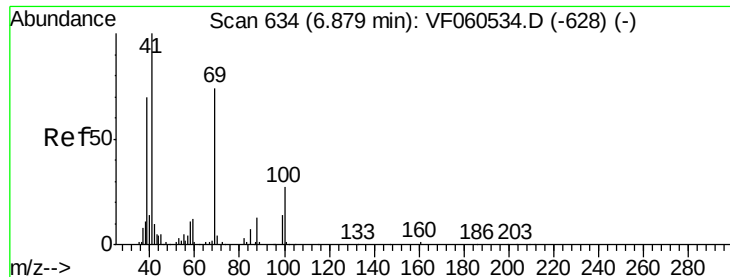
Delta R.T. -0.03 min

Lab File: VF060553.D

Acq: 30 Oct 2018 19:11

Tgt Ion:	41	Resp:	36278
Ion	Ratio	Lower	Upper
41	100		
69	62.8	58.4	87.6
39	96.5	56.4	84.6#





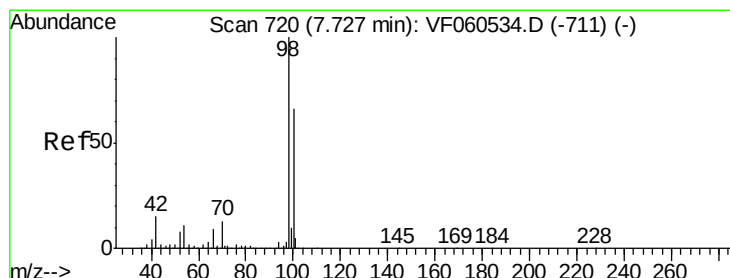
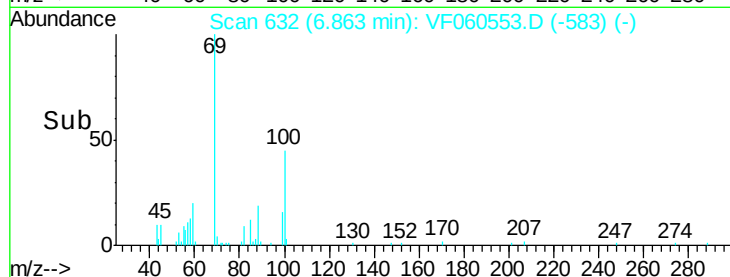
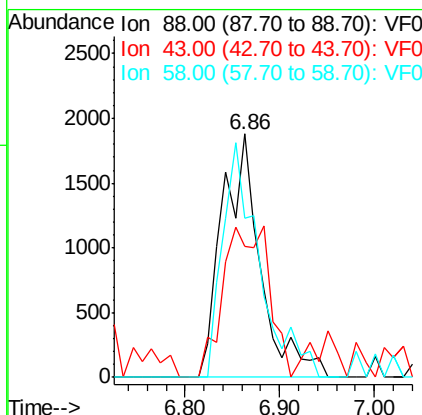
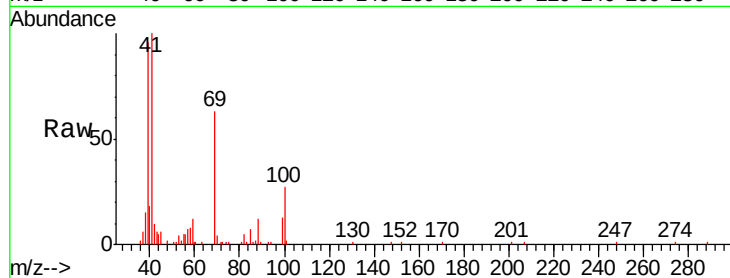
#49
1,4-Dioxane
Concen: 873.05 ug/l
RT: 6.86 min Scan# 632
Delta R.T. -0.02 min
Lab File: VF060553.D
Acq: 30 Oct 2018 19:11

Instrument :
MSVOA_F
ClientSampleId :
DL-SED-01MSD

Tgt Ion	Ratio	Lower	Upper
88	100		
43	53.7	49.7	74.5
58	65.3	67.7	101.5

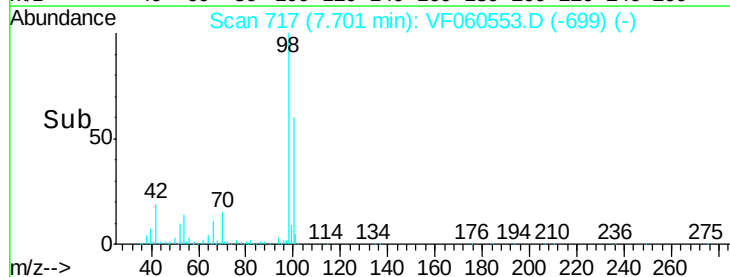
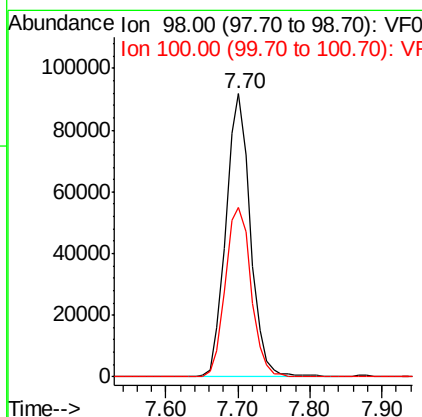
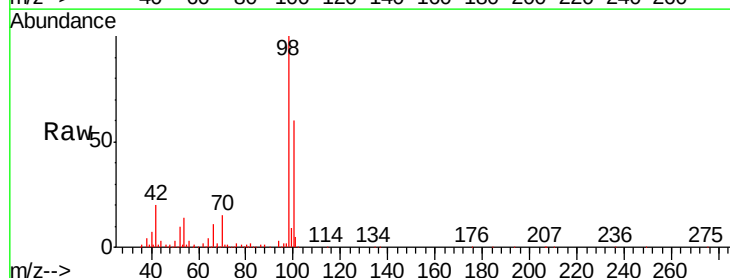
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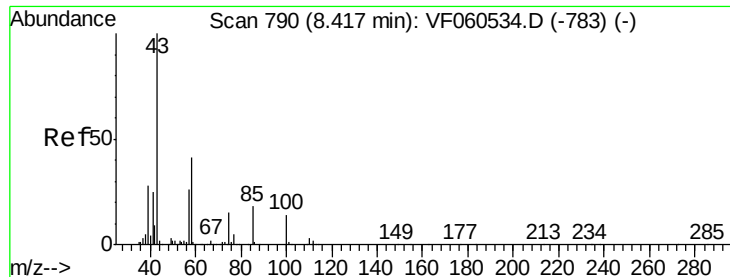
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#50
Toluene-d8
Concen: 47.48 ug/l
RT: 7.70 min Scan# 717
Delta R.T. -0.03 min
Lab File: VF060553.D
Acq: 30 Oct 2018 19:11

Tgt Ion	Ratio	Lower	Upper
98	100		
100	59.7	53.0	79.6





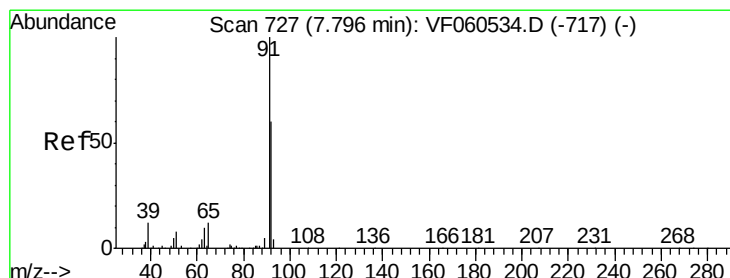
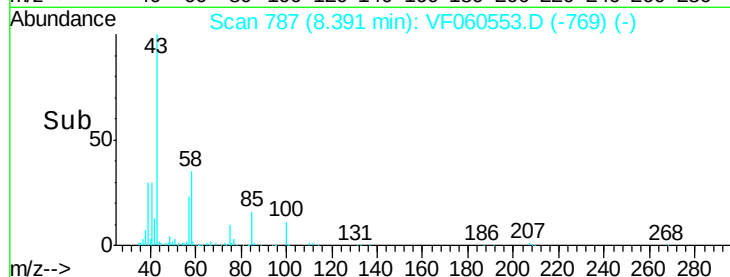
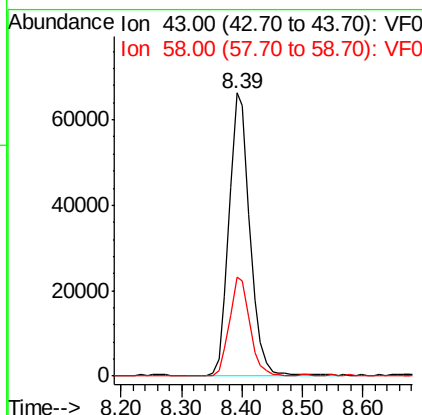
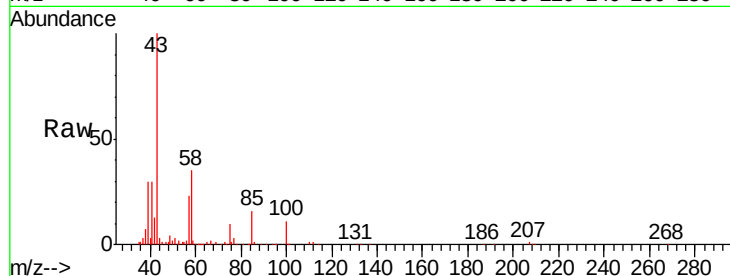
#51
4-Methyl-2-Pentanone
Concen: 231.64 ug/l
RT: 8.39 min Scan# 787
Delta R.T. -0.03 min
Lab File: VF060553.D
Acq: 30 Oct 2018 19:11

Instrument :
MSVOA_F
ClientSampleId :
DL-SED-01MSD

Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.8	32.6	49.0

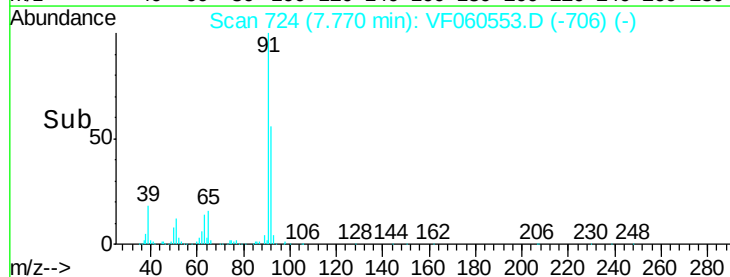
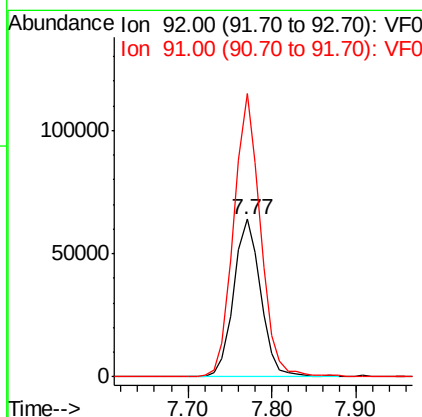
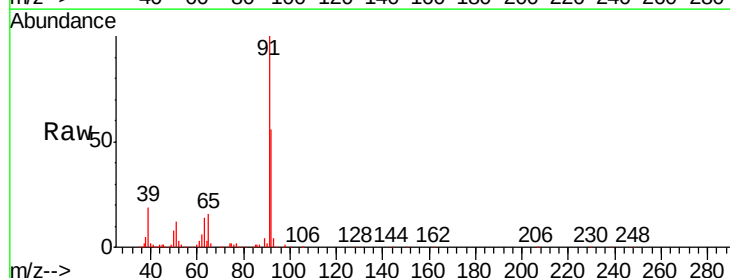
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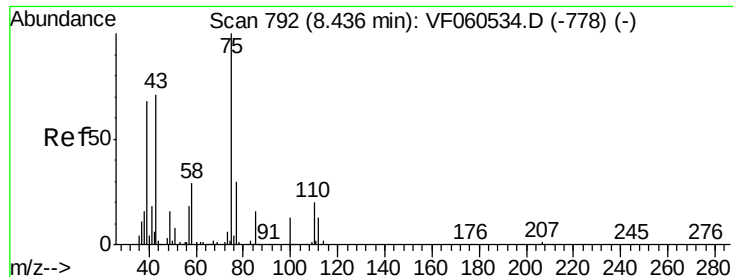
MMDadoda
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#52
Toluene
Concen: 45.86 ug/l
RT: 7.77 min Scan# 724
Delta R.T. -0.03 min
Lab File: VF060553.D
Acq: 30 Oct 2018 19:11

Tgt Ion	Ratio	Lower	Upper
92	100		
91	179.5	134.1	201.1





#53

t-1,3-Dichloropropene

Concen: 53.97 ug/l

RT: 8.42 min Scan# 790

Delta R.T. -0.02 min

Lab File: VF060553.D

Acq: 30 Oct 2018 19:11

Instrument :

MSVOA_F

ClientSampleId :

DL-SED-01MSD

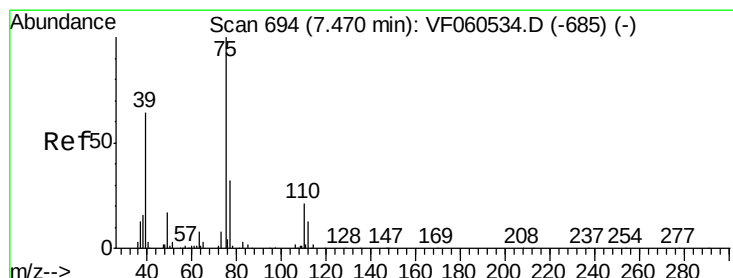
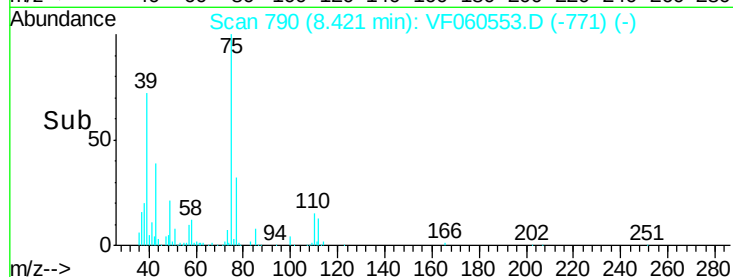
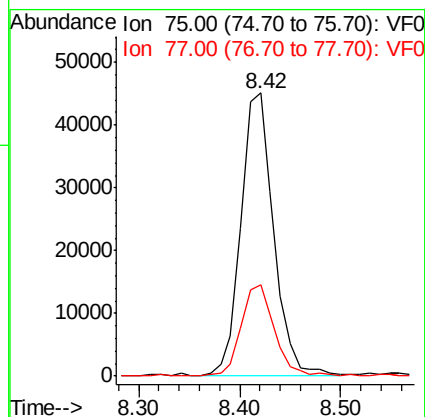
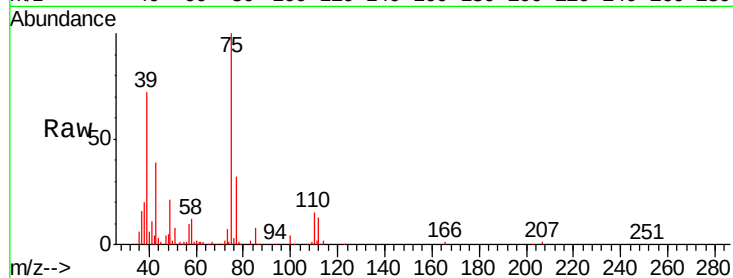
Tgt Ion: 75 Resp: 102231
Ion Ratio Lower Upper

75 100

77 32.3 24.2 36.4

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#54

cis-1,3-Dichloropropene

Concen: 51.93 ug/l

RT: 7.44 min Scan# 691

Delta R.T. -0.03 min

Lab File: VF060553.D

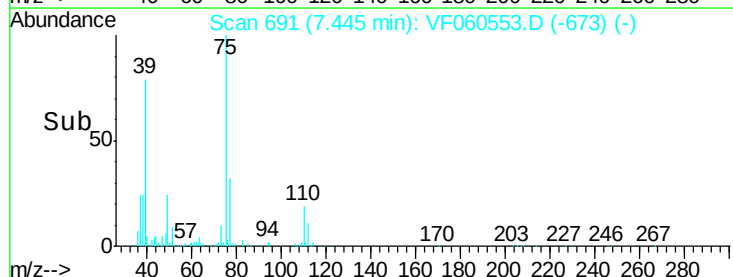
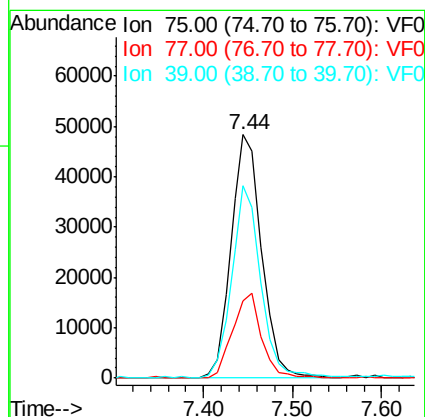
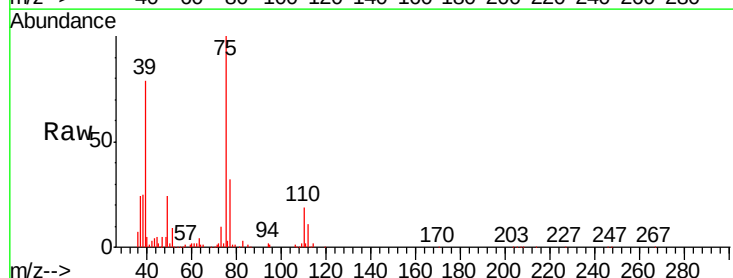
Acq: 30 Oct 2018 19:11

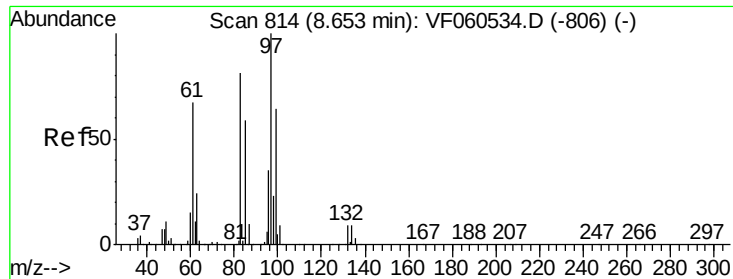
Tgt Ion: 75 Resp: 116569
Ion Ratio Lower Upper

75 100

77 32.0 25.7 38.5

39 79.2 51.5 77.3#





#55

1,1,2-Trichloroethane

Concen: 46.45 ug/l

RT: 8.63 min Scan# 811

Delta R.T. -0.03 min

Lab File: VF060553.D

Acq: 30 Oct 2018 19:11

Instrument :

MSVOA_F

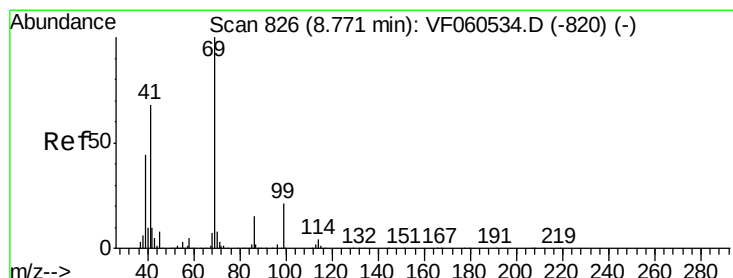
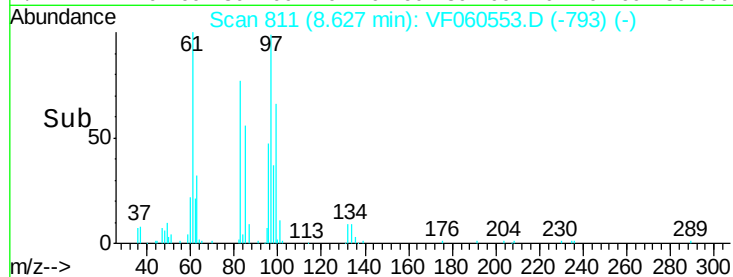
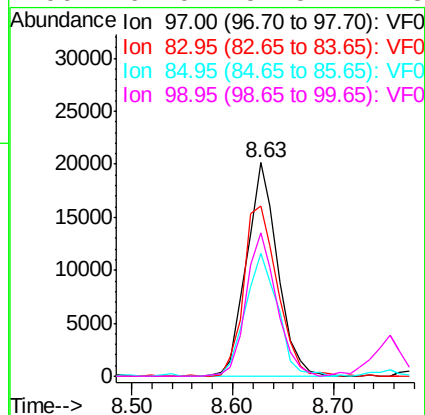
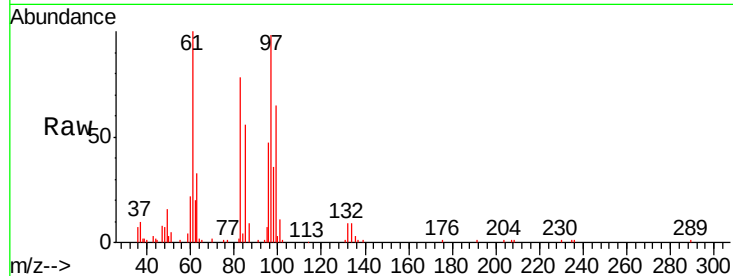
ClientSampleId :

DL-SED-01MSD

Tgt Ion:	97	Resp:	43572
Ion	Ratio	Lower	Upper
97	100		
83	79.5	65.3	97.9
85	57.6	47.6	71.4
99	67.0	51.5	77.3

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#56

Ethyl methacrylate

Concen: 34.66 ug/l

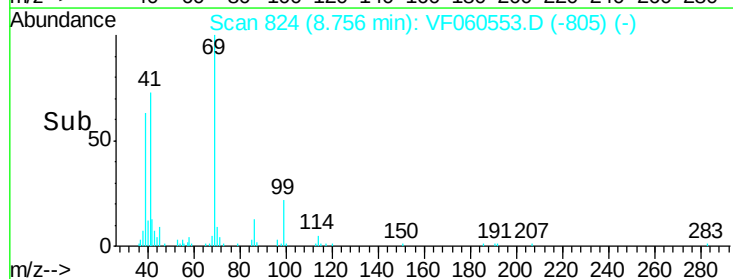
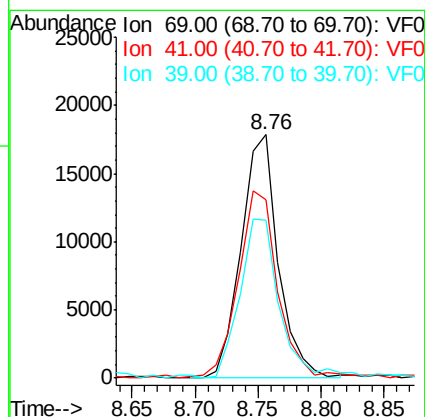
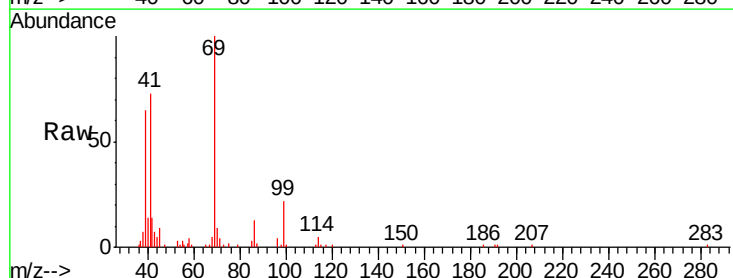
RT: 8.76 min Scan# 824

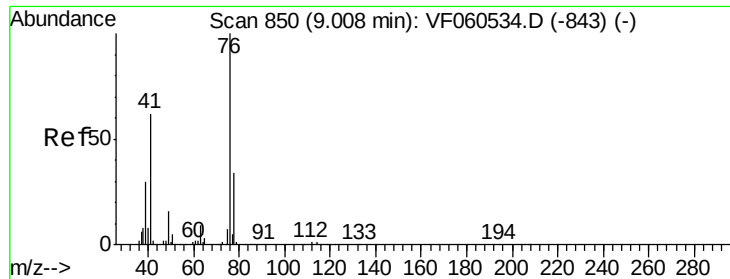
Delta R.T. -0.02 min

Lab File: VF060553.D

Acq: 30 Oct 2018 19:11

Tgt Ion:	69	Resp:	36484
Ion	Ratio	Lower	Upper
69	100		
41	73.2	55.0	82.6
39	64.8	35.1	52.7#





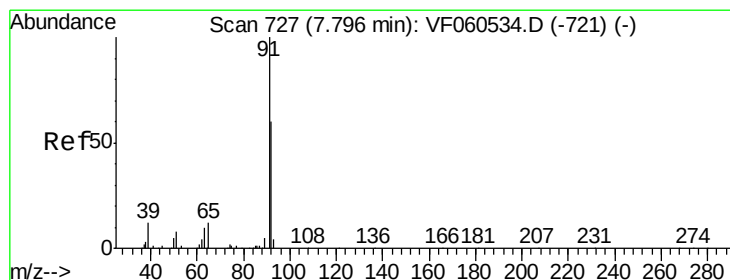
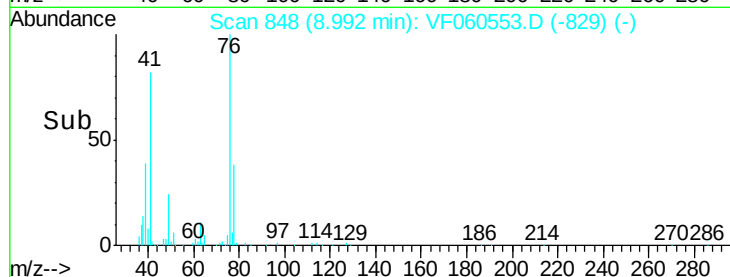
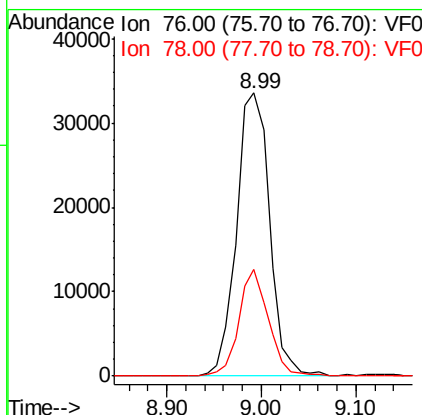
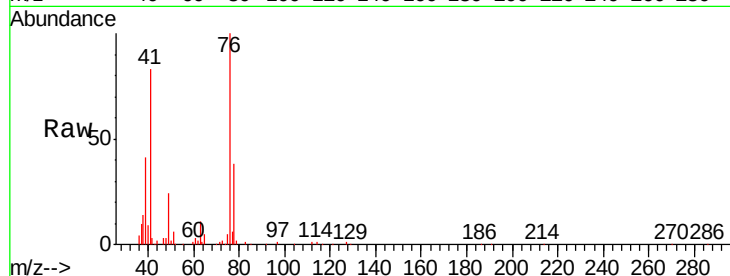
#57
 1,3-Dichloropropane
 Concen: 51.20 ug/l
 RT: 8.99 min Scan# 848
 Delta R.T. -0.02 min
 Lab File: VF060553.D
 Acq: 30 Oct 2018 19:11

Instrument :
 MSVOA_F
 ClientSampleId :
 DL-SED-01MSD

Tgt Ion	Ratio	Lower	Upper
76	100		
78	37.9	27.3	40.9

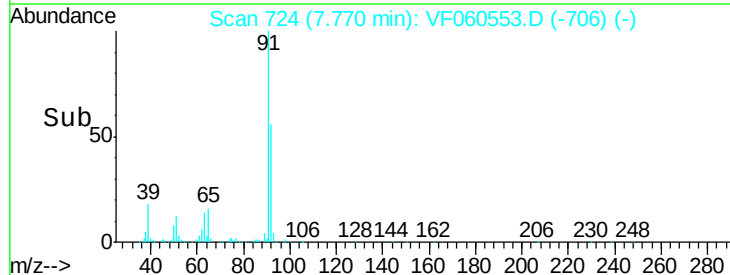
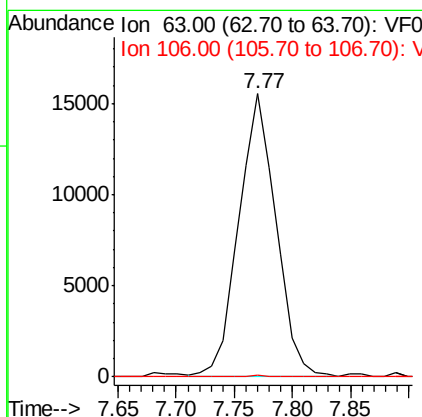
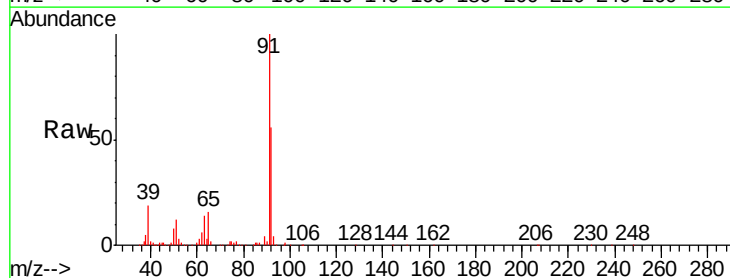
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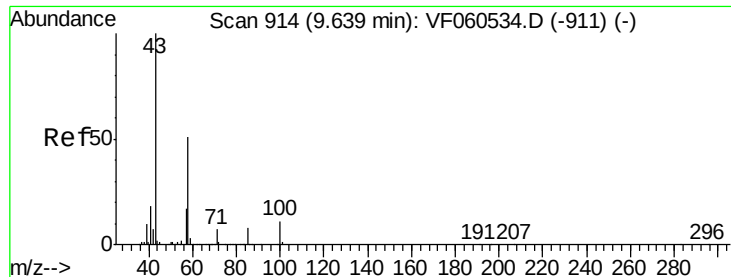
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#58
 2-Chloroethyl Vinyl ether
 Concen: 317.69 ug/l
 RT: 7.77 min Scan# 724
 Delta R.T. -0.03 min
 Lab File: VF060553.D
 Acq: 30 Oct 2018 19:11

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.8	0.0	0.0#





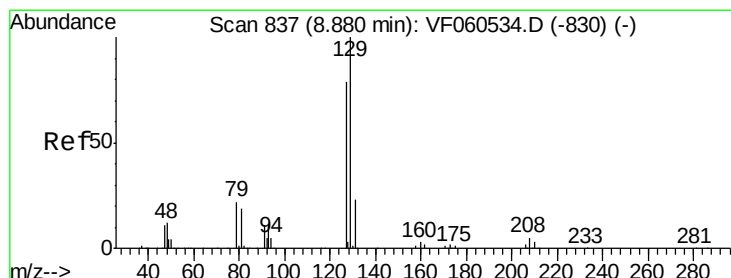
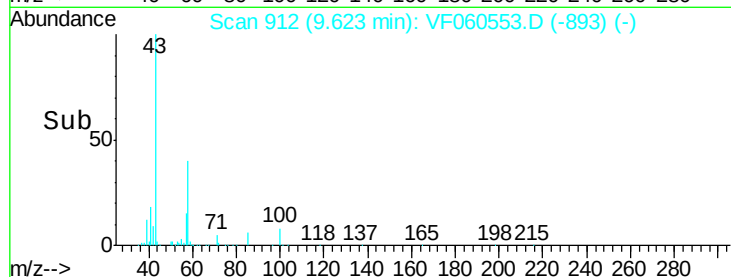
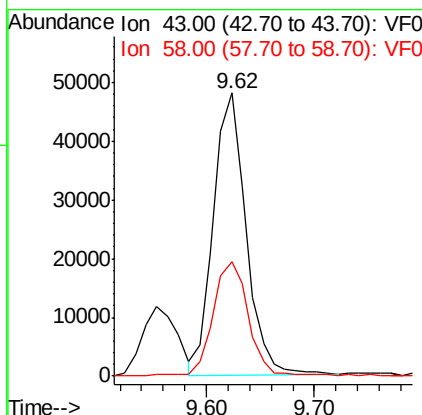
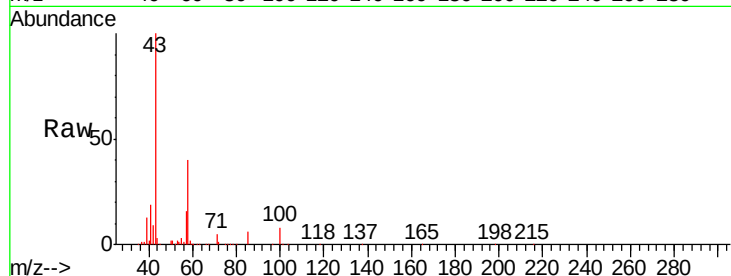
#59
2-Hexanone
Concen: 194.28 ug/l
RT: 9.62 min Scan# 912
Delta R.T. -0.01 min
Lab File: VF060553.D
Acq: 30 Oct 2018 19:11

Instrument :
MSVOA_F
ClientSampleId :
DL-SED-01MSD

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.3	24.1	72.3

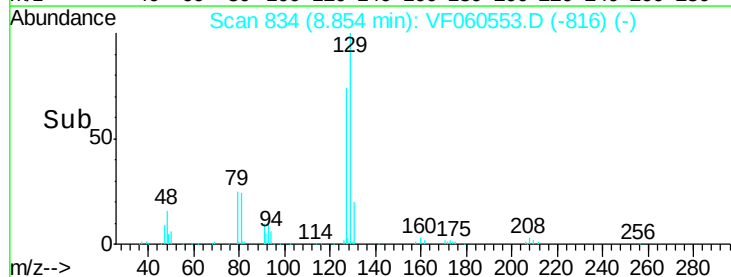
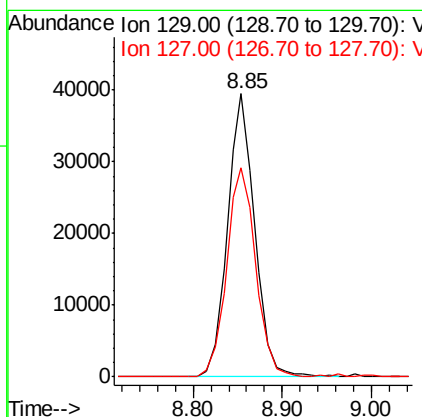
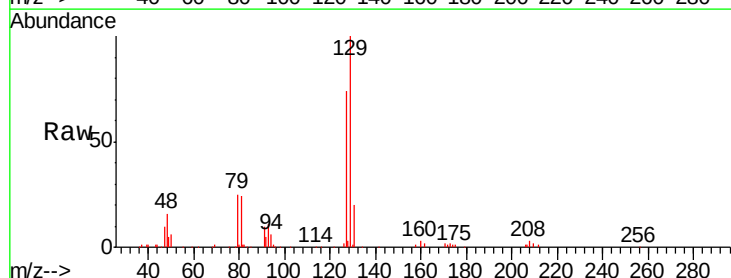
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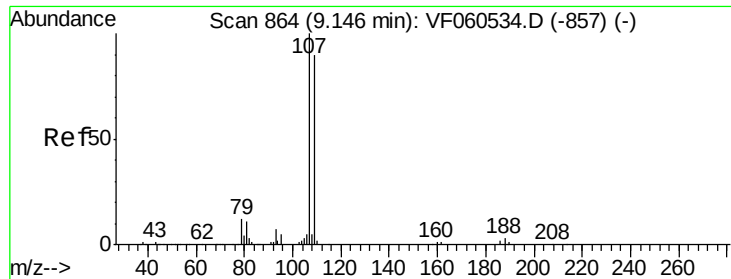
MMDadoda
10/31/2018 11:36:43 AM



#60
Dibromochloromethane
Concen: 55.94 ug/l
RT: 8.85 min Scan# 834
Delta R.T. -0.03 min
Lab File: VF060553.D
Acq: 30 Oct 2018 19:11

Tgt Ion	Ratio	Lower	Upper
129	100		
127	73.8	39.6	119.0





#61

1,2-Dibromoethane

Concen: 48.02 ug/l

RT: 9.12 min Scan# 861

Delta R.T. -0.03 min

Lab File: VF060553.D

Acq: 30 Oct 2018 19:11

Instrument :

MSVOA_F

ClientSampleId :

DL-SED-01MSD

Tgt Ion: 107 Resp: 52144

Ion Ratio Lower Upper

107 100

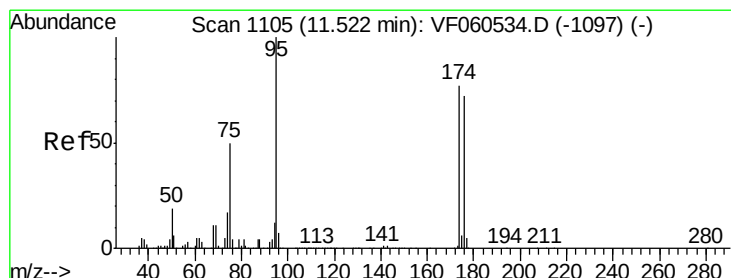
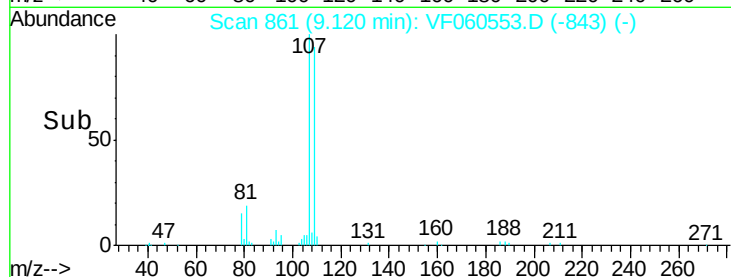
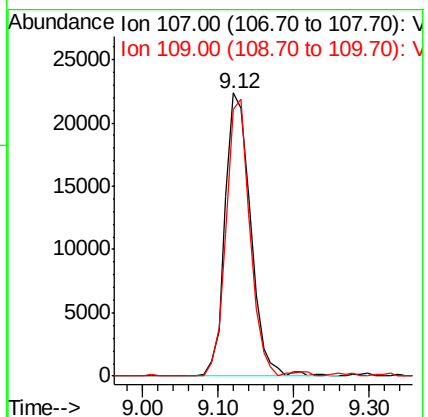
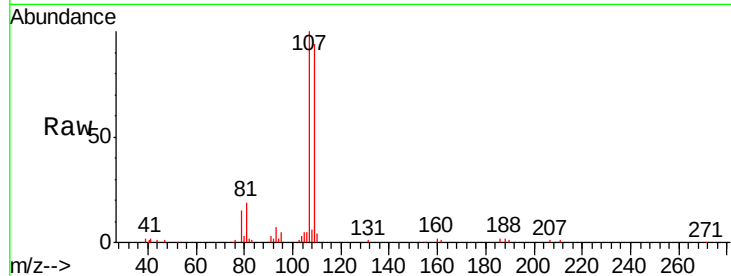
109 94.4 72.2 108.2

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#62

4-Bromofluorobenzene

Concen: 37.16 ug/l

RT: 11.51 min Scan# 1103

Delta R.T. -0.02 min

Lab File: VF060553.D

Acq: 30 Oct 2018 19:11

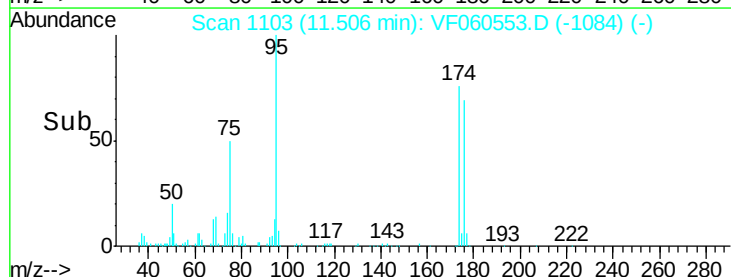
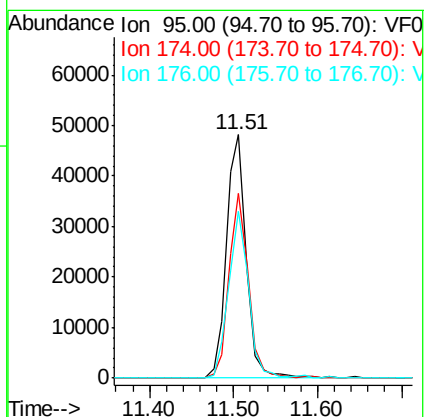
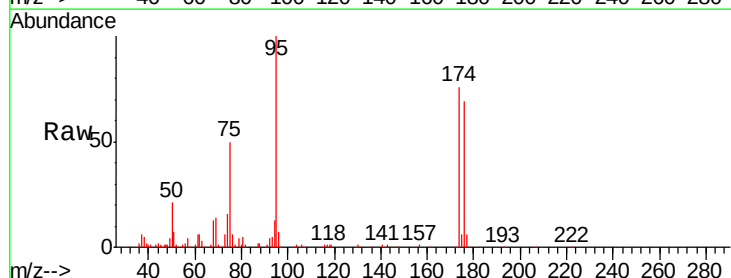
Tgt Ion: 95 Resp: 78307

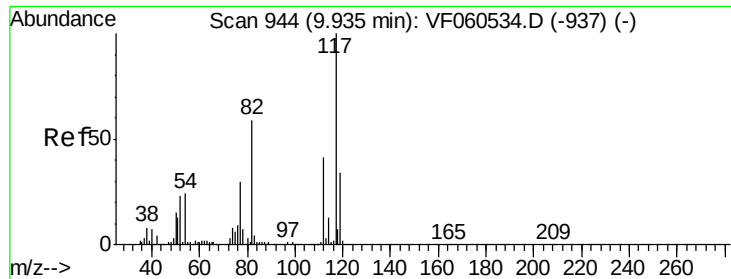
Ion Ratio Lower Upper

95 100

174 75.9 0.0 153.8

176 68.6 0.0 143.6





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.91 min Scan# 941

Delta R.T. -0.03 min

Lab File: VF060553.D

Acq: 30 Oct 2018 19:11

Instrument :

MSVOA_F

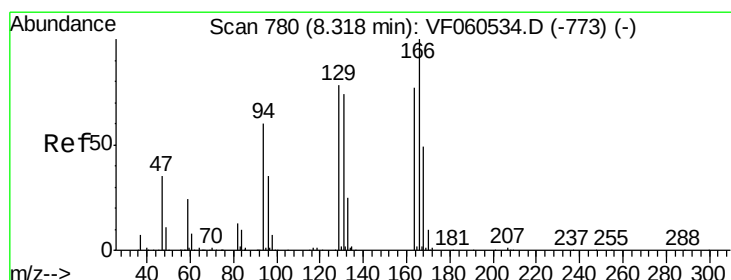
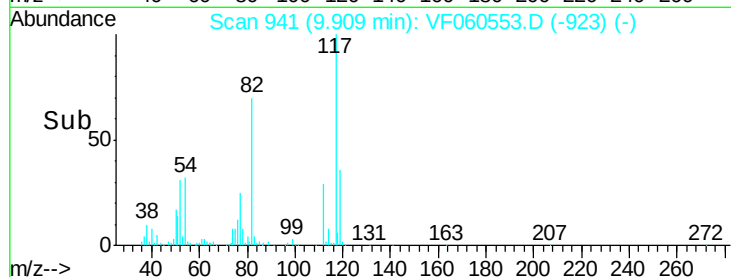
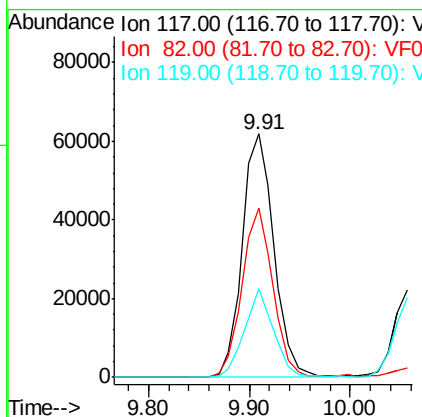
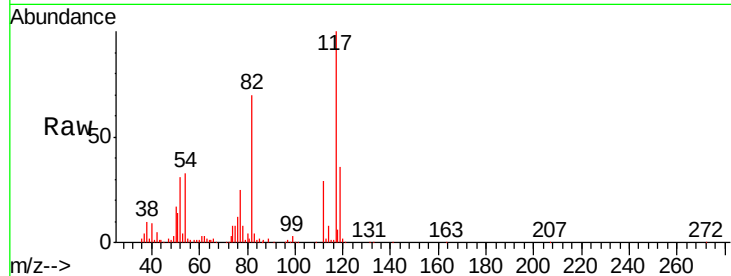
ClientSampleId :

DL-SED-01MSD

Tgt Ion:	117	Resp:	135739
Ion Ratio	Lower	Upper	
117	100		
82	69.6	47.6	71.4
119	36.4	27.3	40.9

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#64

Tetrachloroethene

Concen: 49.63 ug/l

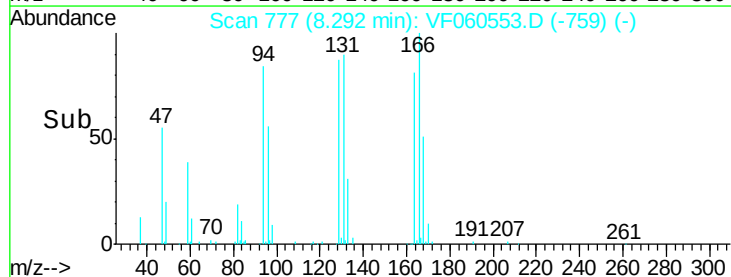
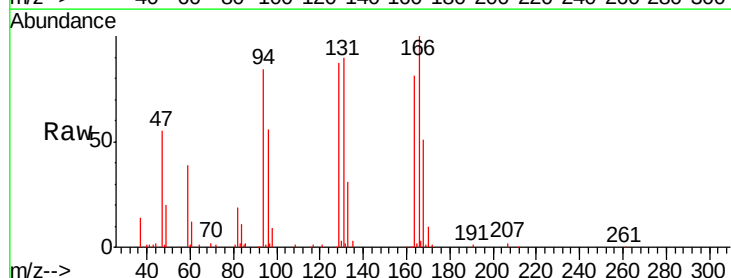
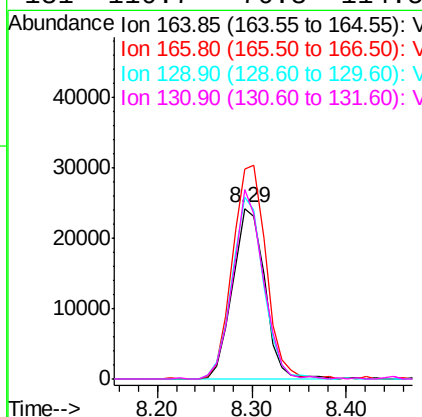
RT: 8.29 min Scan# 777

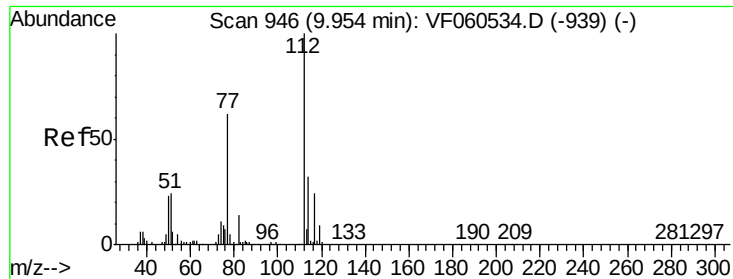
Delta R.T. -0.03 min

Lab File: VF060553.D

Acq: 30 Oct 2018 19:11

Tgt Ion:	164	Resp:	56941
Ion Ratio	Lower	Upper	
164	100		
166	122.9	103.4	155.2
129	106.5	80.7	121.1
131	110.7	76.3	114.5





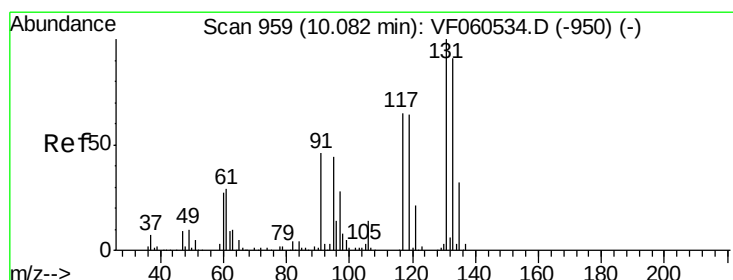
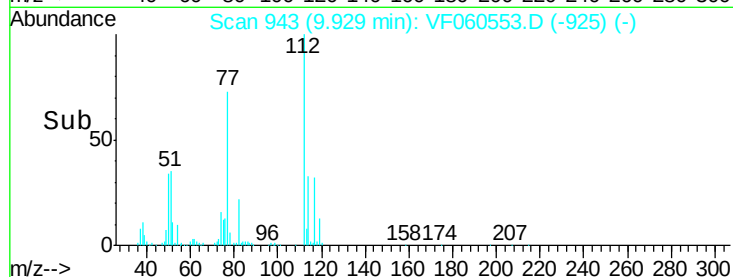
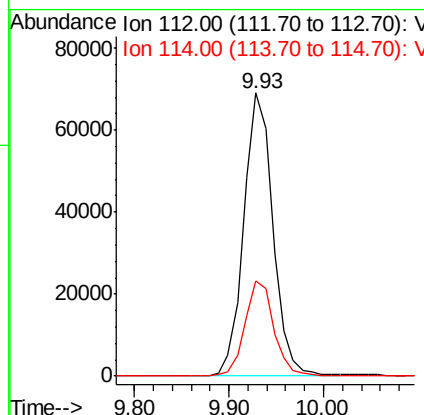
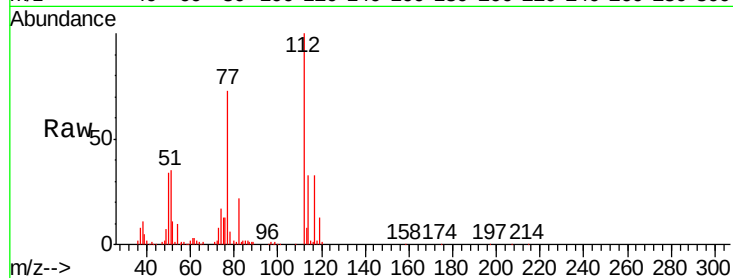
#65
Chlorobenzene
Concen: 54.08 ug/l
RT: 9.93 min Scan# 943
Delta R.T. -0.03 min
Lab File: VF060553.D
Acq: 30 Oct 2018 19:11

Instrument :
MSVOA_F
ClientSampleId :
DL-SED-01MSD

Tgt Ion	Ratio	Lower	Upper
112	100		
114	33.4	25.5	38.3

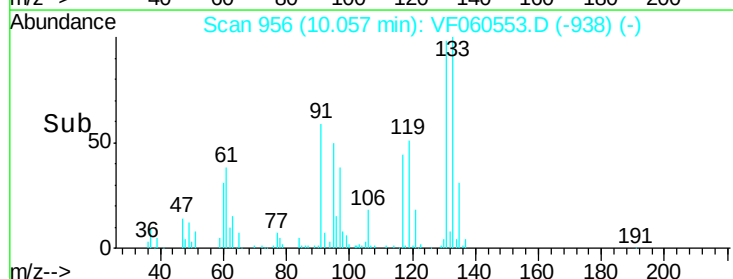
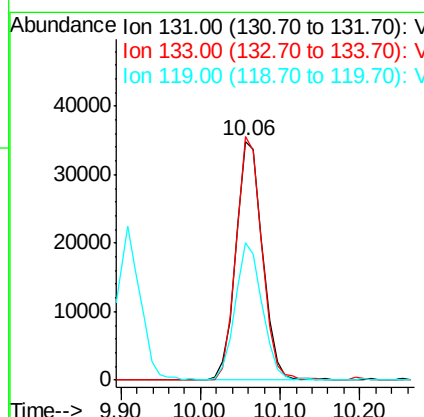
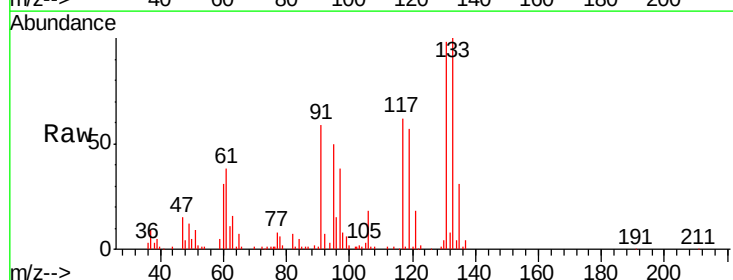
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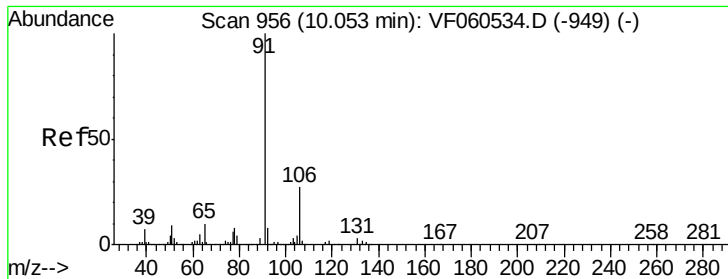
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#66
1,1,1,2-Tetrachloroethane
Concen: 65.27 ug/l
RT: 10.06 min Scan# 956
Delta R.T. -0.03 min
Lab File: VF060553.D
Acq: 30 Oct 2018 19:11

Tgt Ion	Ratio	Lower	Upper
131	100		
133	101.8	45.8	137.3
119	57.6	32.4	97.0





#67

Ethyl Benzene

Concen: 55.14 ug/l

RT: 10.03 min Scan# 953

Delta R.T. -0.03 min

Lab File: VF060553.D

Acq: 30 Oct 2018 19:11

Instrument :

MSVOA_F

ClientSampleId :

DL-SED-01MSD

Tgt Ion: 91 Resp: 287716

Ion Ratio Lower Upper

91 100

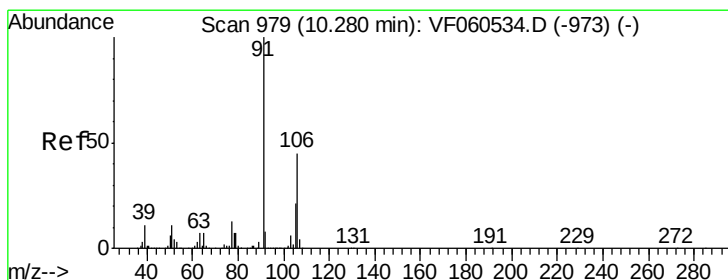
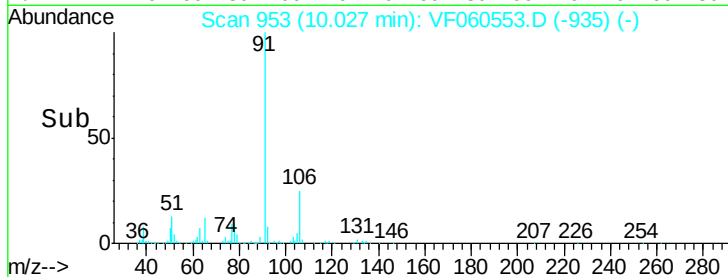
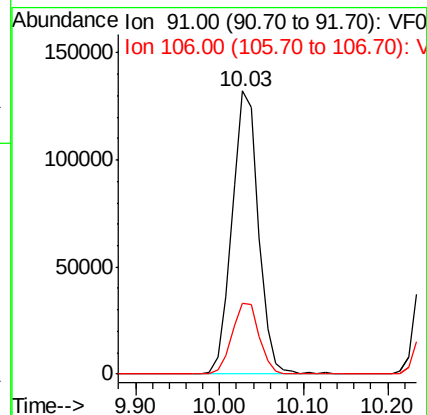
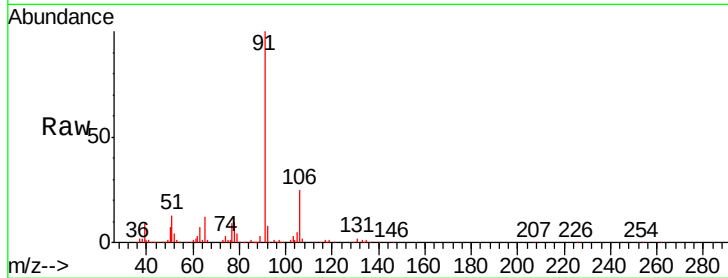
106 25.2 21.9 32.9

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#68

m/p-Xylenes

Concen: 97.99 ug/l

RT: 10.26 min Scan# 977

Delta R.T. -0.02 min

Lab File: VF060553.D

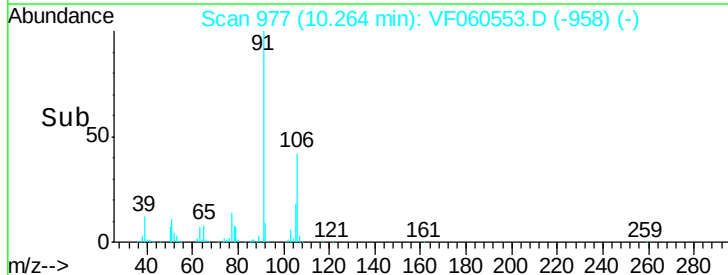
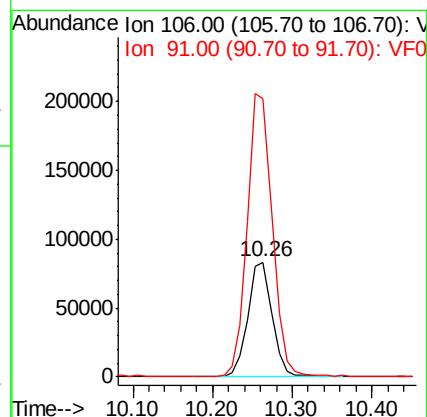
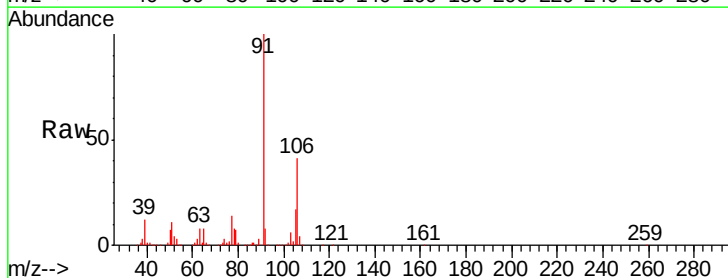
Acq: 30 Oct 2018 19:11

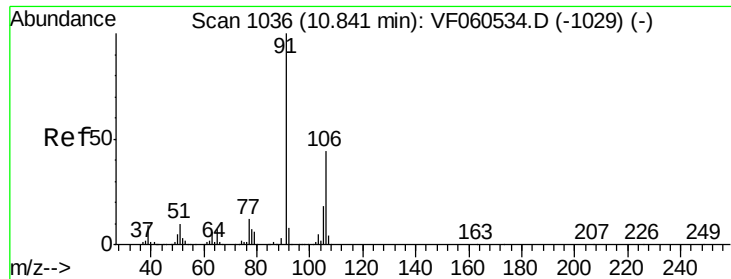
Tgt Ion: 106 Resp: 174629

Ion Ratio Lower Upper

106 100

91 241.4 176.2 264.2





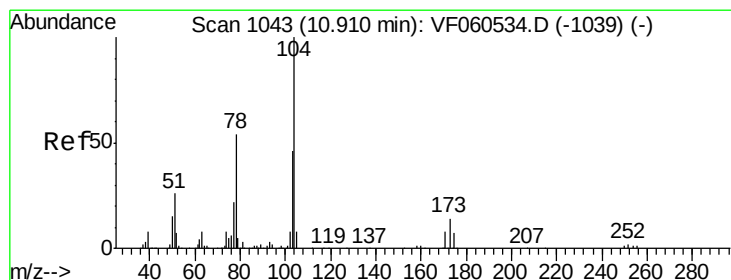
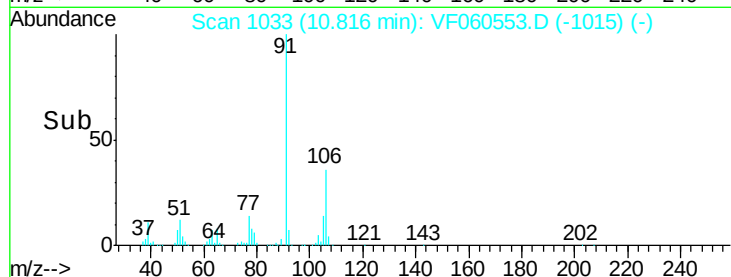
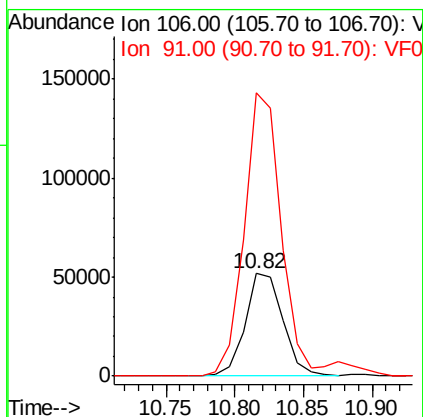
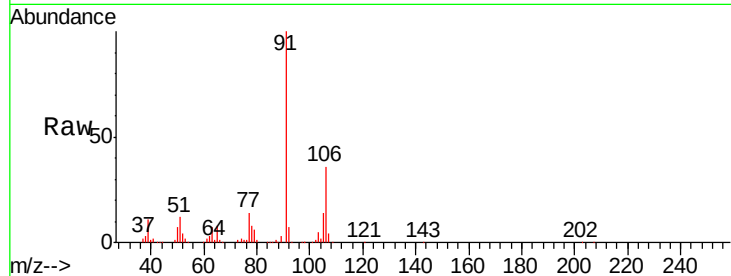
#69
o-Xylene
Concen: 49.37 ug/l
RT: 10.82 min Scan# 1033
Delta R.T. -0.03 min
Lab File: VF060553.D
Acq: 30 Oct 2018 19:11

Instrument :
MSVOA_F
ClientSampleId :
DL-SED-01MSD

Tgt Ion:106 Resp: 99090
Ion Ratio Lower Upper
106 100
91 275.5 112.9 338.8

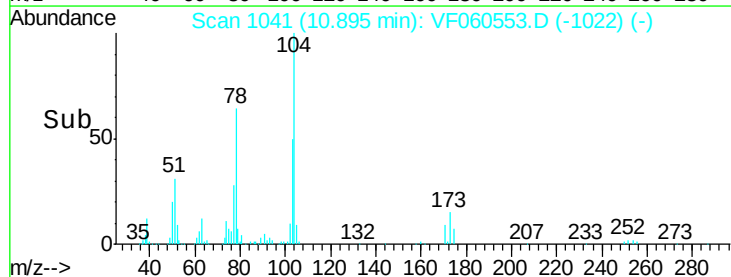
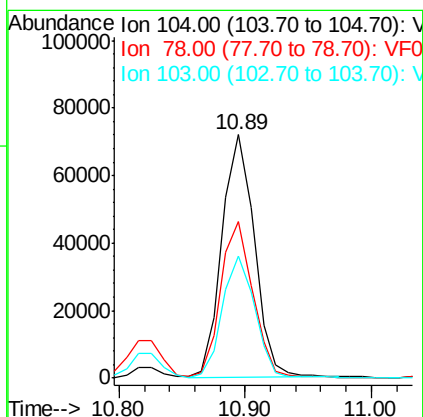
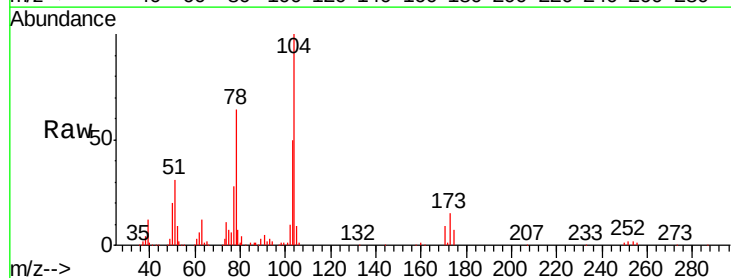
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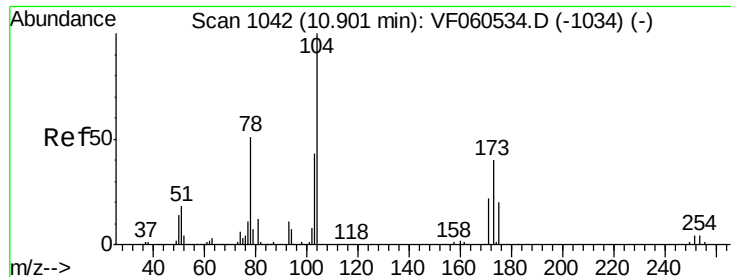
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#70
Styrene
Concen: 45.35 ug/l
RT: 10.89 min Scan# 1041
Delta R.T. -0.02 min
Lab File: VF060553.D
Acq: 30 Oct 2018 19:11

Tgt Ion:104 Resp: 128320
Ion Ratio Lower Upper
104 100
78 64.1 43.4 65.2
103 50.3 36.9 55.3





#71

Bromoform

Concen: 60.18 ug/l

RT: 10.88 min Scan# 1040

Delta R.T. -0.02 min

Lab File: VF060553.D

Acq: 30 Oct 2018 19:11

Instrument :

MSVOA_F

ClientSampleId :

DL-SED-01MSD

Tgt Ion:173 Resp: 38628

Ion Ratio Lower Upper

173 100

175 48.4 25.7 77.0

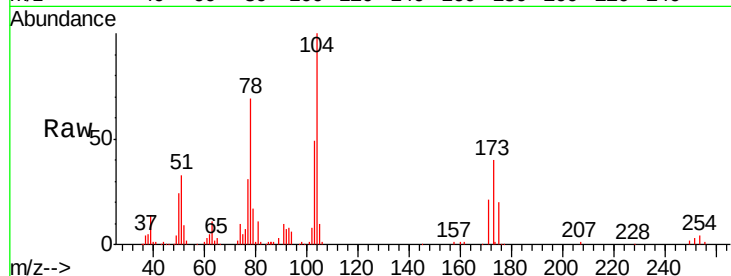
254 0.0 7.8 11.6#

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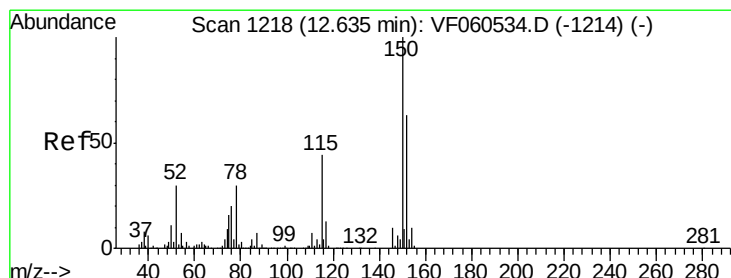
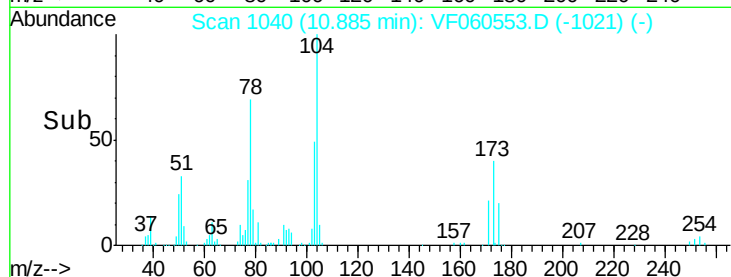
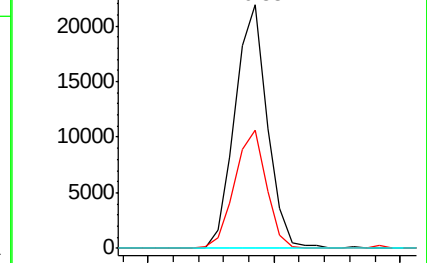
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Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.63 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VF060553.D

Acq: 30 Oct 2018 19:11

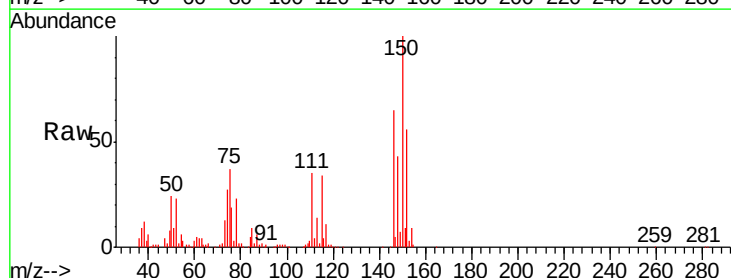
Tgt Ion:152 Resp: 55151

Ion Ratio Lower Upper

152 100

115 59.5 34.7 104.1

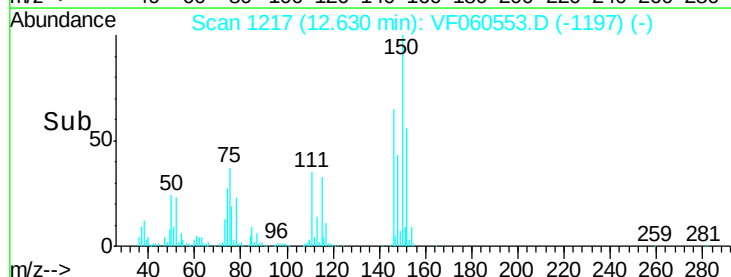
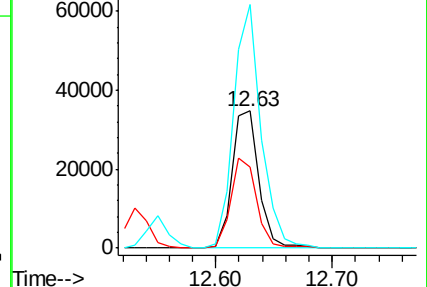
150 177.4 0.0 318.4

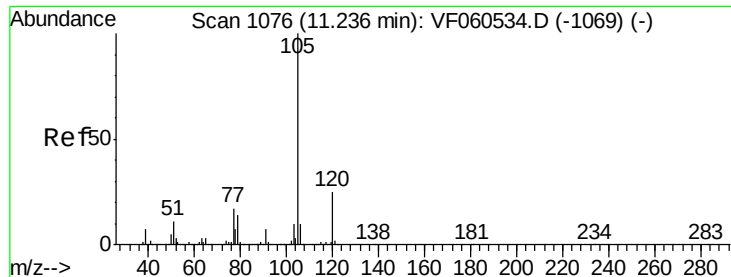


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 65.72 ug/l

RT: 11.22 min Scan# 1074

Delta R.T. -0.02 min

Lab File: VF060553.D

Acq: 30 Oct 2018 19:11

Instrument :

MSVOA_F

ClientSampleId :

DL-SED-01MSD

Tgt Ion: 105 Resp: 277090

Ion Ratio Lower Upper

105 100

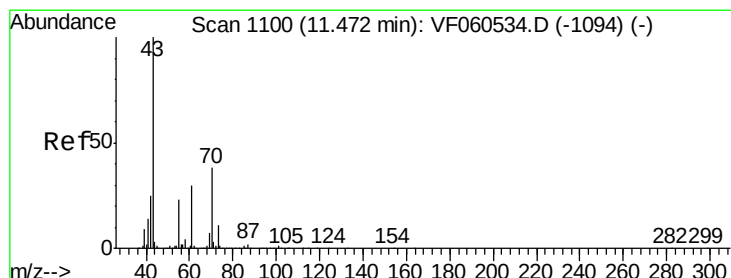
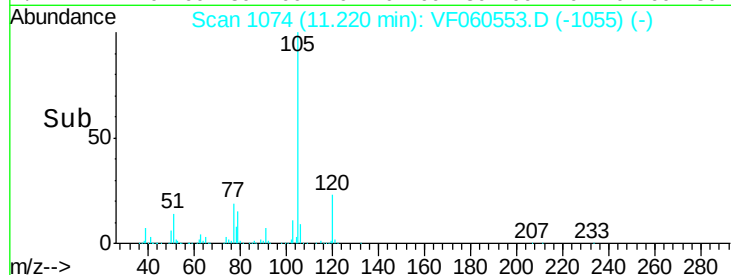
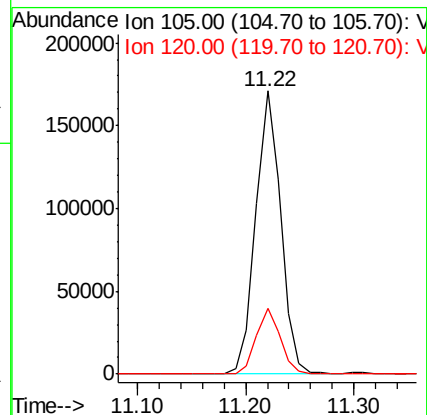
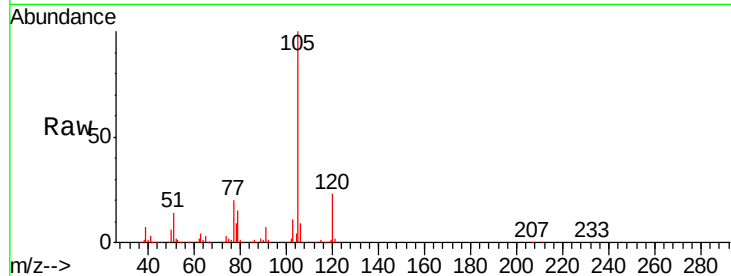
120 23.4 12.3 36.8

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#74

N-ethyl acetate

Concen: 30.52 ug/l

RT: 11.46 min Scan# 1098

Delta R.T. -0.02 min

Lab File: VF060553.D

Acq: 30 Oct 2018 19:11

Tgt Ion: 43 Resp: 25770

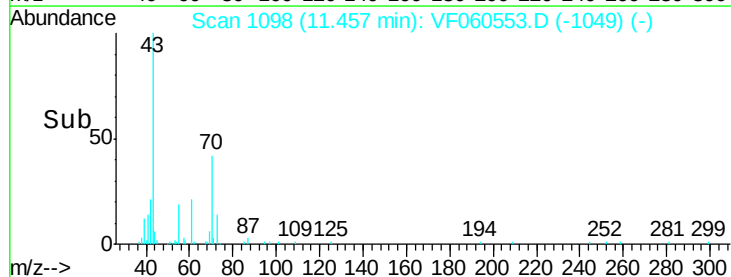
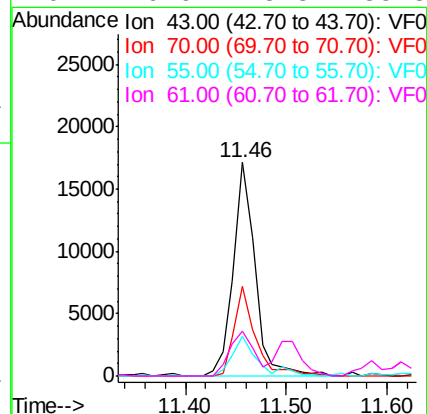
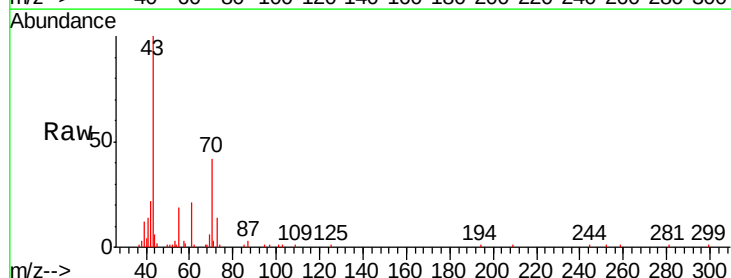
Ion Ratio Lower Upper

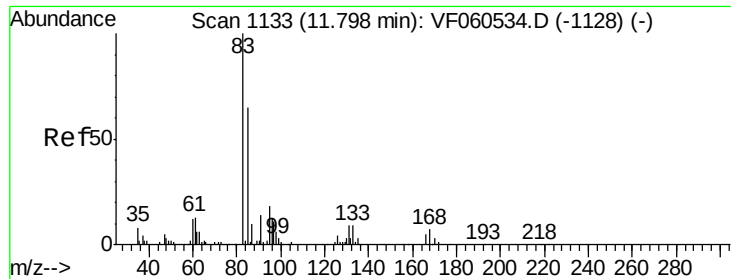
43 100

70 41.9 30.8 46.2

55 18.7 18.2 27.4

61 20.9 23.8 35.8#





#75

1,1,2,2-Tetrachloroethane

Concen: 70.80 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. -0.02 min

Lab File: VF060553.D

Acq: 30 Oct 2018 19:11

Instrument :

MSVOA_F

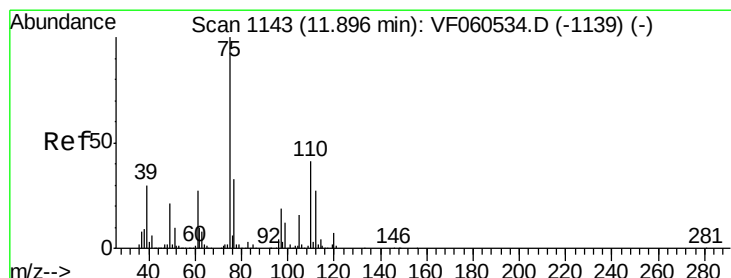
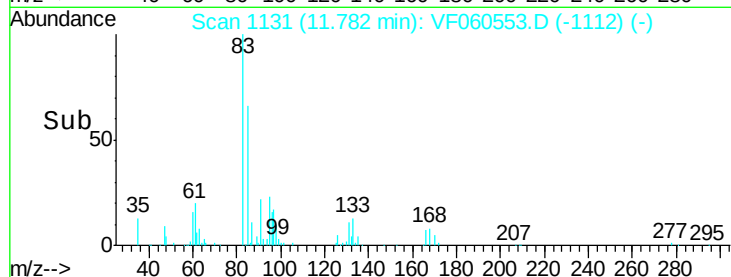
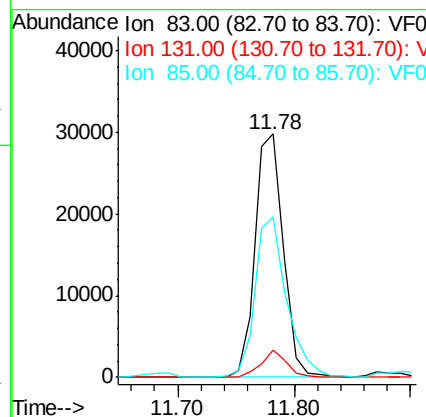
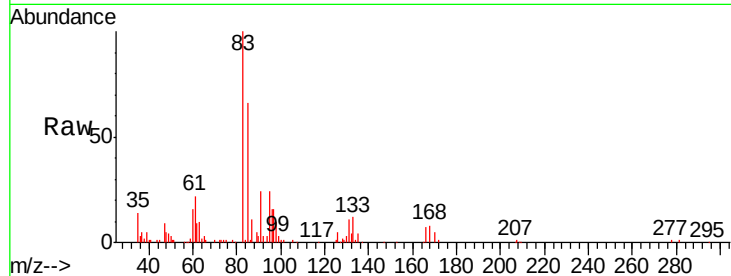
ClientSampleId :

DL-SED-01MSD

Tgt Ion:	83	Resp:	49806
Ion Ratio	Lower	Upper	
83	100		
131	11.5	4.7	14.0
85	65.7	32.4	97.0

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#76

1,2,3-Trichloropropane

Concen: 79.18 ug/l

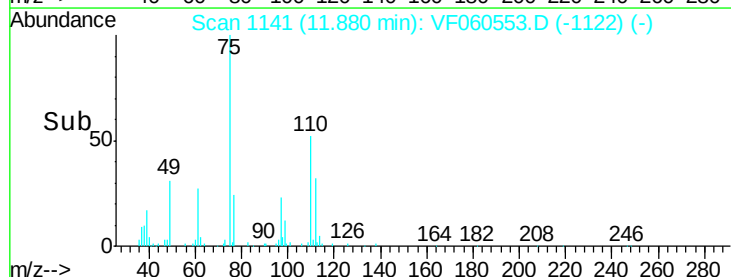
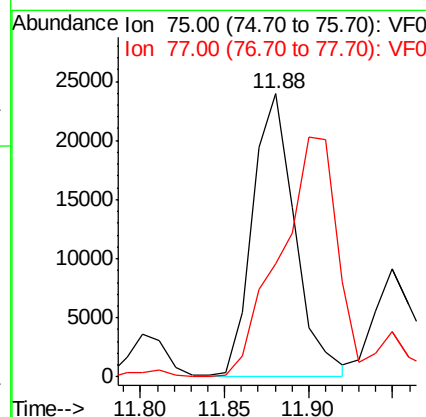
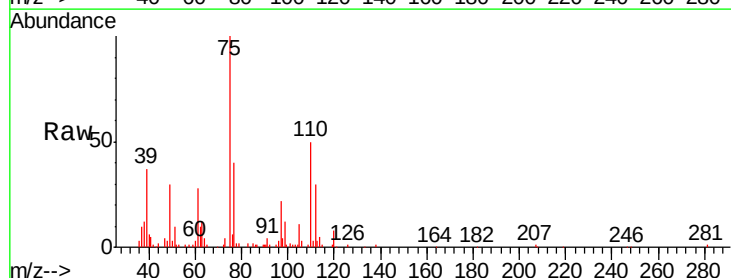
RT: 11.88 min Scan# 1141

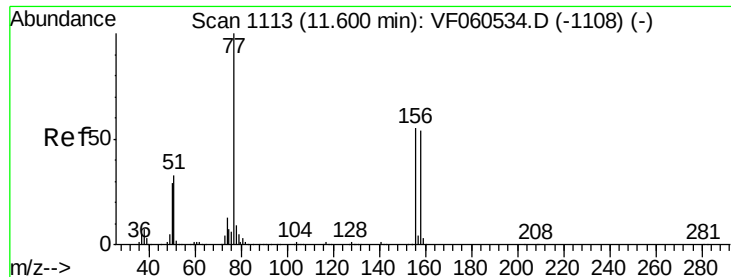
Delta R.T. -0.02 min

Lab File: VF060553.D

Acq: 30 Oct 2018 19:11

Tgt Ion:	75	Resp:	41903
Ion Ratio	Lower	Upper	
75	100		
77	40.1	16.7	50.1





#77

Bromobenzene

Concen: 65.09 ug/l

RT: 11.58 min Scan# 1111

Delta R.T. -0.02 min

Lab File: VF060553.D

Acq: 30 Oct 2018 19:11

Instrument :

MSVOA_F

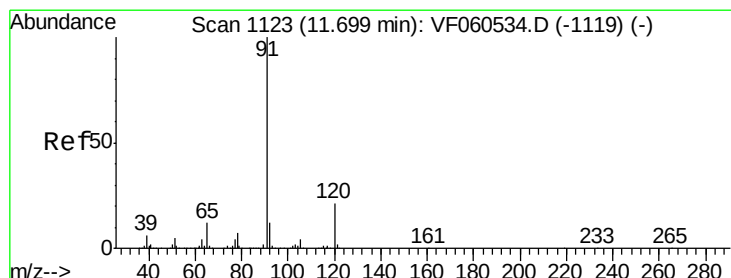
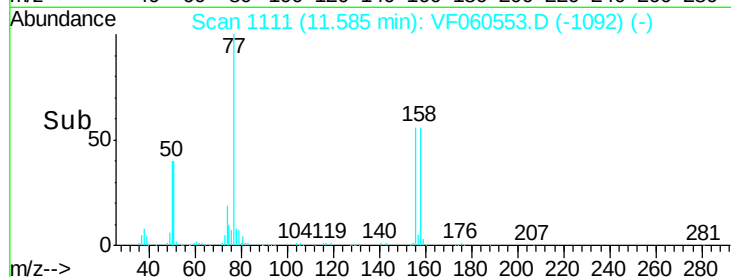
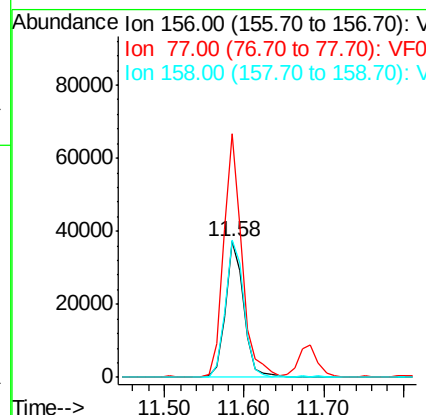
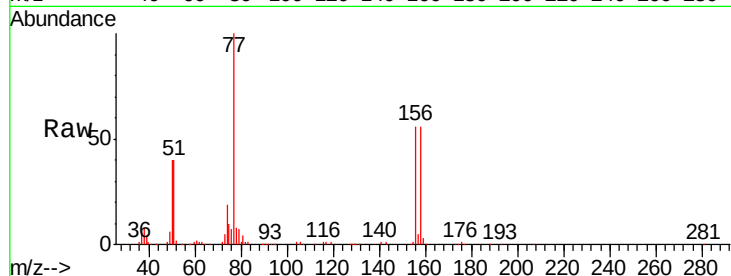
ClientSampleId :

DL-SED-01MSD

Tgt Ion	Ratio	Lower	Upper
156	100		
77	179.7	91.3	274.1
158	101.1	49.3	147.9

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#78

n-propylbenzene

Concen: 55.18 ug/l

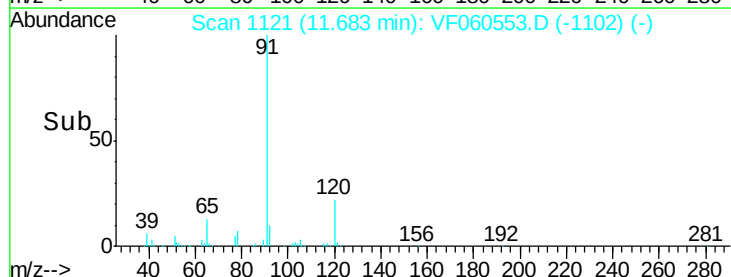
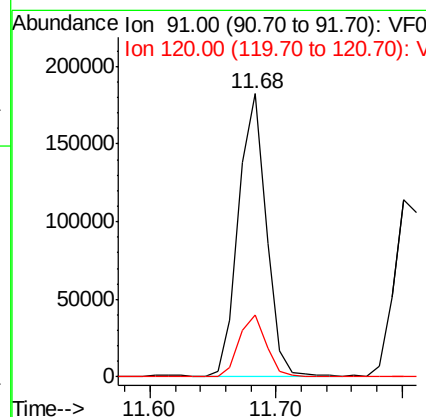
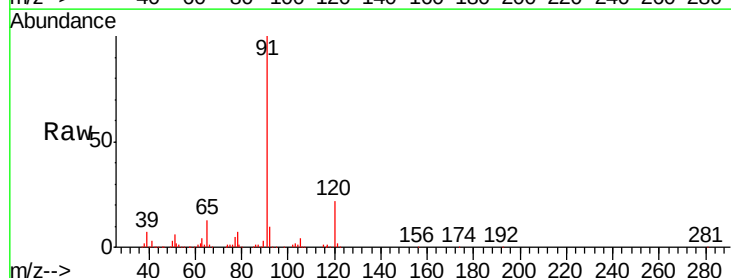
RT: 11.68 min Scan# 1121

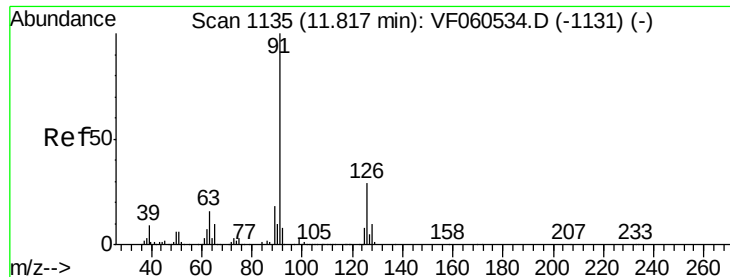
Delta R.T. -0.02 min

Lab File: VF060553.D

Acq: 30 Oct 2018 19:11

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.9	10.7	32.1





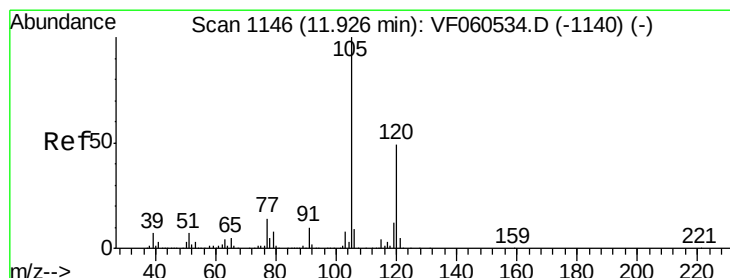
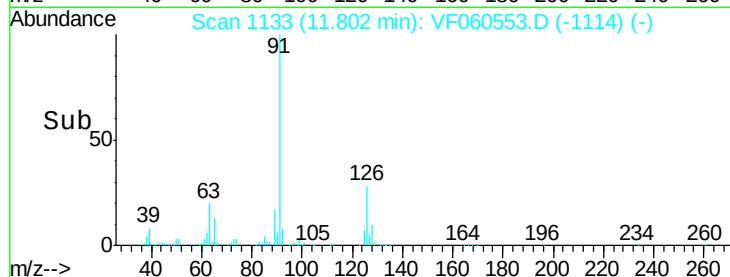
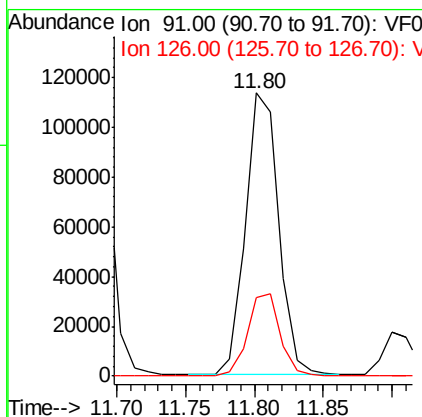
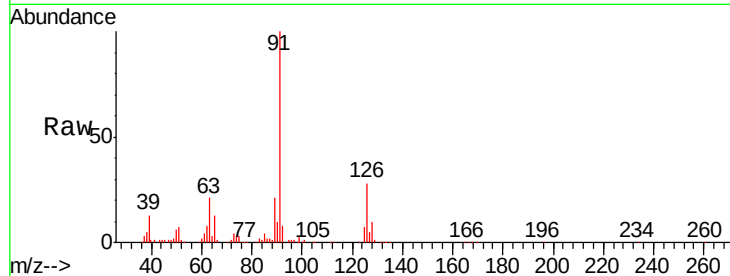
#79
 2-Chlorotoluene
 Concen: 63.69 ug/l
 RT: 11.80 min Scan# 1133
 Delta R.T. -0.02 min
 Lab File: VF060553.D
 Acq: 30 Oct 2018 19:11

Instrument :
 MSVOA_F
 ClientSampleId :
 DL-SED-01MSD

Tgt Ion: 91 Resp: 190622
 Ion Ratio Lower Upper
 91 100
 126 27.7 14.2 42.8

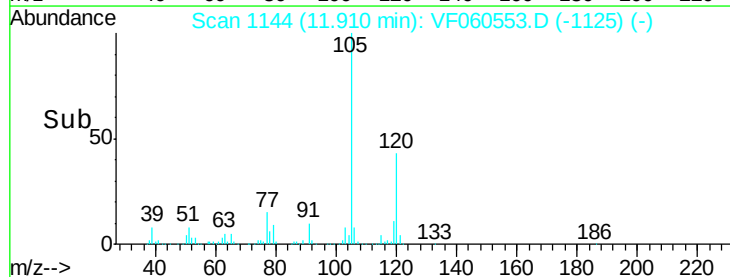
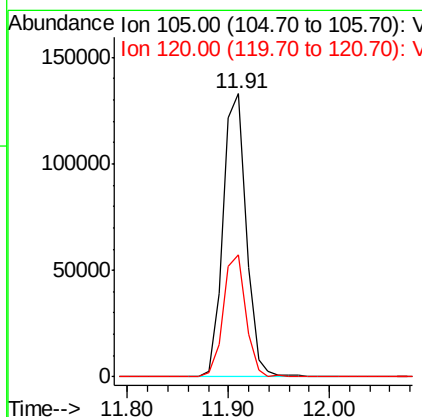
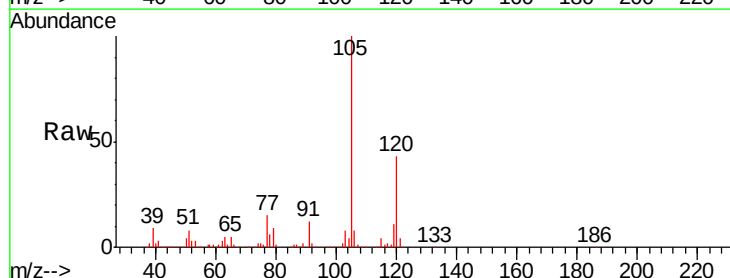
Manual Integrations
 APPROVED

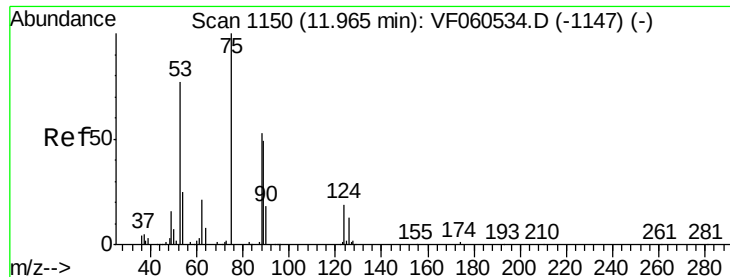
MMDadoda
 10/31/2018 11:36:43 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 58.67 ug/l
 RT: 11.91 min Scan# 1144
 Delta R.T. -0.02 min
 Lab File: VF060553.D
 Acq: 30 Oct 2018 19:11

Tgt Ion: 105 Resp: 213717
 Ion Ratio Lower Upper
 105 100
 120 43.3 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 65.76 ug/l m

RT: 11.95 min Scan# 1148

Delta R.T. -0.02 min

Lab File: VF060553.D

Acq: 30 Oct 2018 19:11

Instrument :

MSVOA_F

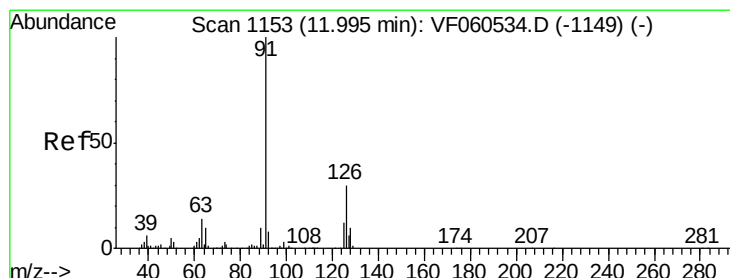
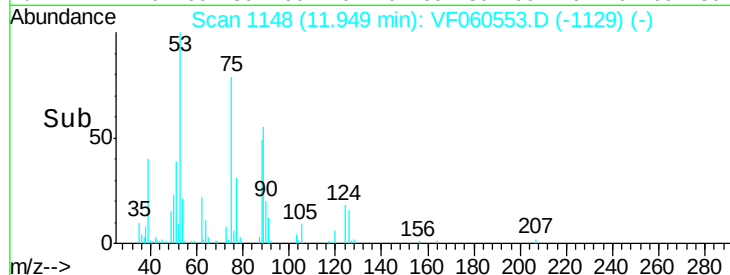
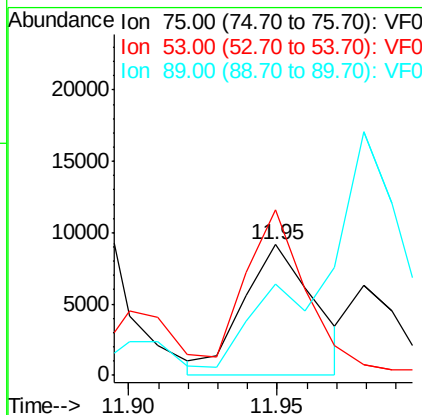
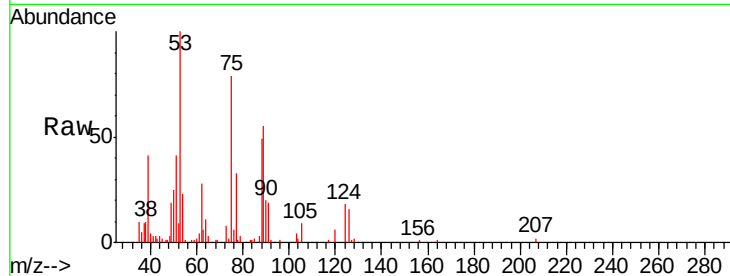
ClientSampleId :

DL-SED-01MSD

Tgt Ion:	75	Resp:	15200
Ion Ratio	Lower	Upper	
75	100		
53	126.9	65.8	98.6#
89	70.1	44.0	66.0#

Manual Integrations
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10/31/2018 11:36:43 AM



#82

4-Chlorotoluene

Concen: 64.60 ug/l

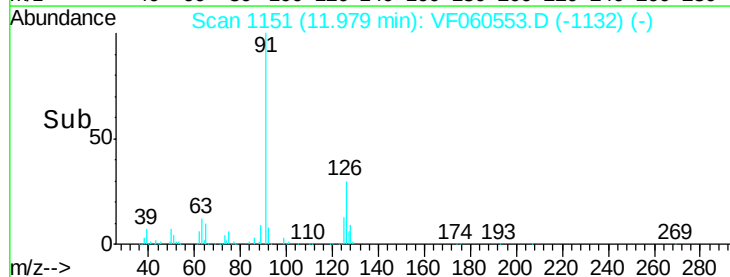
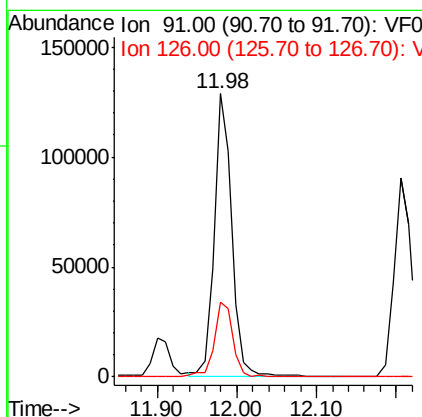
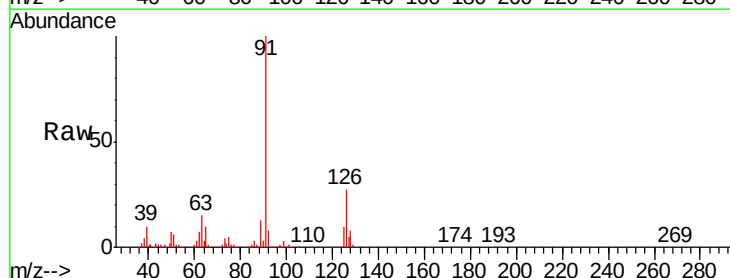
RT: 11.98 min Scan# 1151

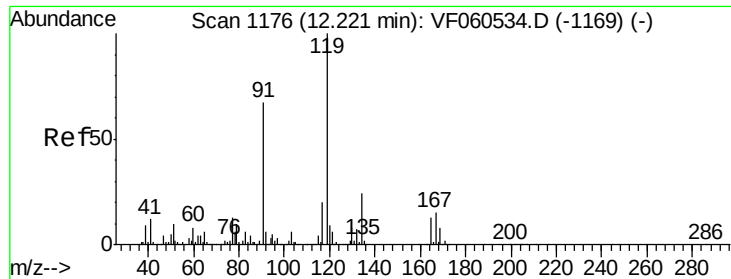
Delta R.T. -0.02 min

Lab File: VF060553.D

Acq: 30 Oct 2018 19:11

Tgt Ion:	91	Resp:	200456
Ion Ratio	Lower	Upper	
91	100		
126	26.6	15.1	45.3





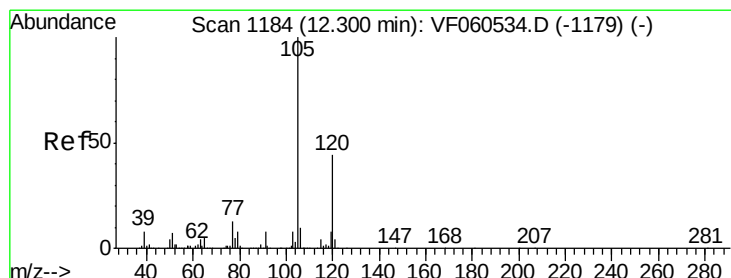
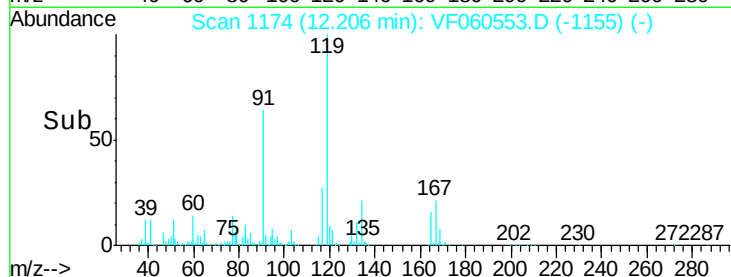
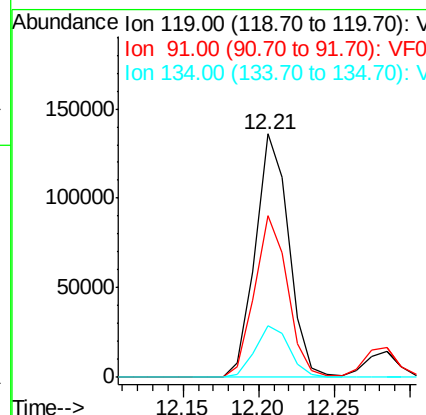
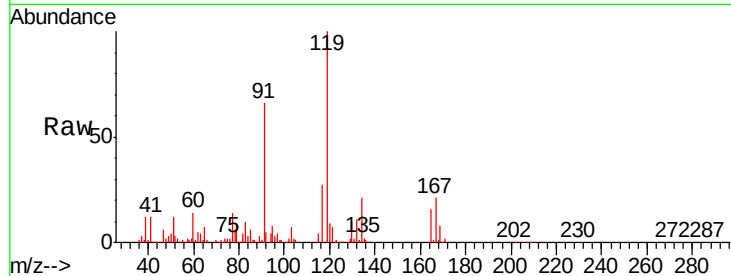
#83
 tert-Butylbenzene
 Concen: 59.66 ug/l
 RT: 12.21 min Scan# 1174
 Delta R.T. -0.02 min
 Lab File: VF060553.D
 Acq: 30 Oct 2018 19:11

Instrument :
 MSVOA_F
 ClientSampleId :
 DL-SED-01MSD

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	210611		
91	66.4	33.6	100.8	
134	21.4	12.0	36.0	

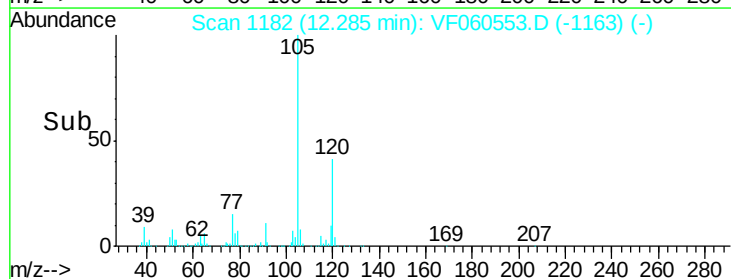
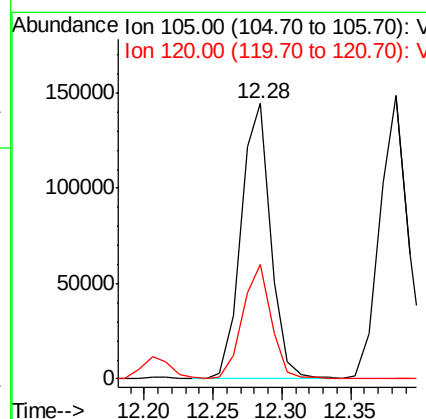
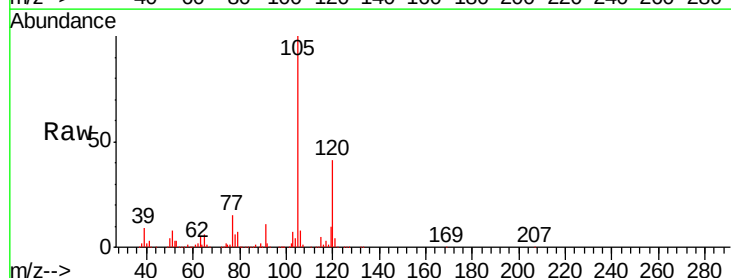
Manual Integrations
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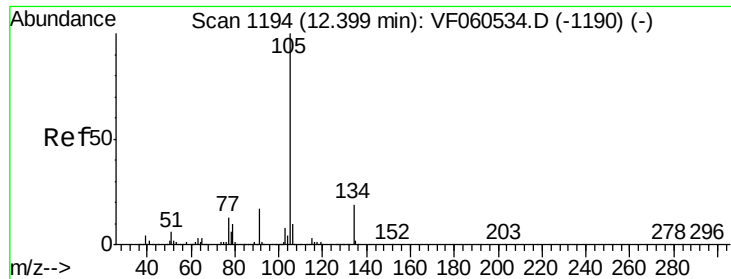
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#84
 1,2,4-Trimethylbenzene
 Concen: 58.58 ug/l
 RT: 12.28 min Scan# 1182
 Delta R.T. -0.02 min
 Lab File: VF060553.D
 Acq: 30 Oct 2018 19:11

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	216767		
120	41.3	22.0	66.0	





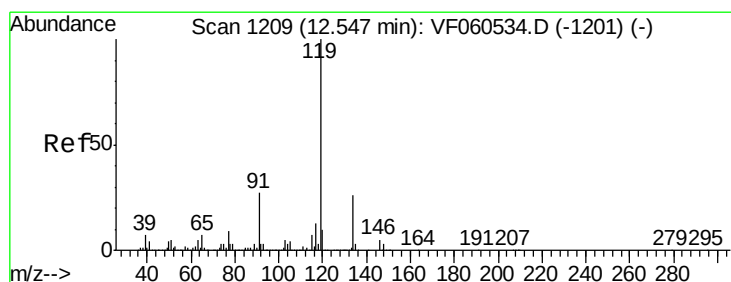
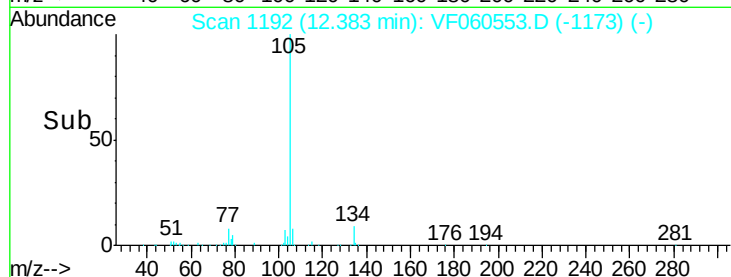
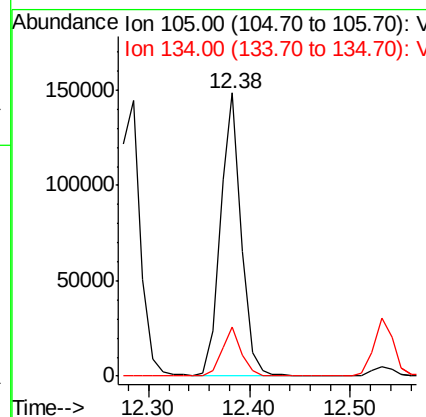
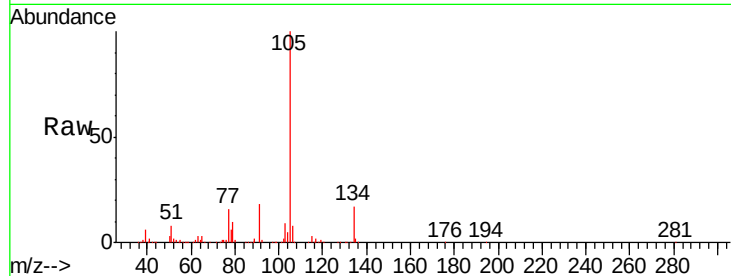
#85
 sec-Butylbenzene
 Concen: 43.04 ug/l
 RT: 12.38 min Scan# 1192
 Delta R.T. -0.02 min
 Lab File: VF060553.D
 Acq: 30 Oct 2018 19:11

Instrument :
 MSVOA_F
 ClientSampleId :
 DL-SED-01MSD

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	212924		
134	17.3	9.6	28.6	

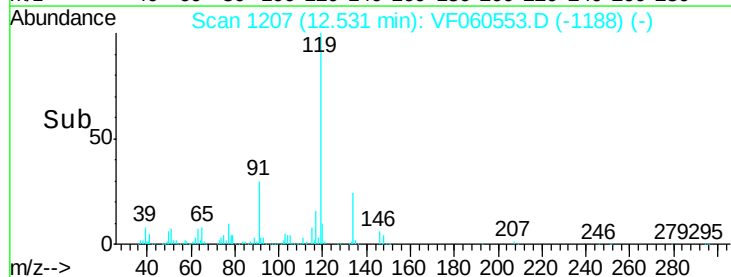
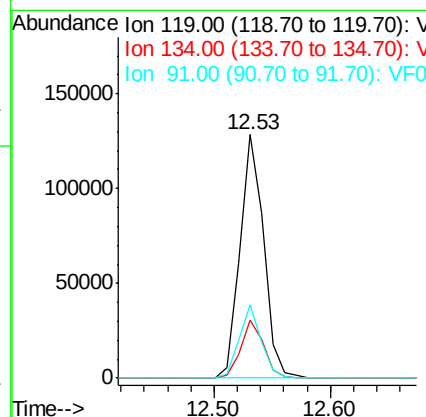
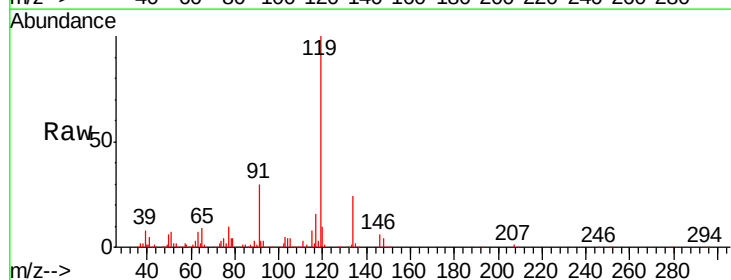
Manual Integrations
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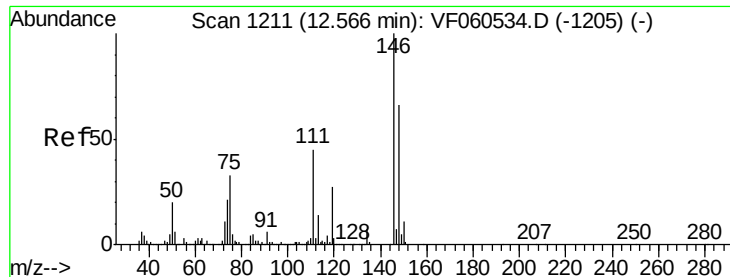
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 10/31/2018 11:36:43 AM



#86
 p-Isopropyltoluene
 Concen: 44.51 ug/l
 RT: 12.53 min Scan# 1207
 Delta R.T. -0.02 min
 Lab File: VF060553.D
 Acq: 30 Oct 2018 19:11

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	180723		
134	23.6	13.1	39.1	
91	30.3	13.5	40.4	





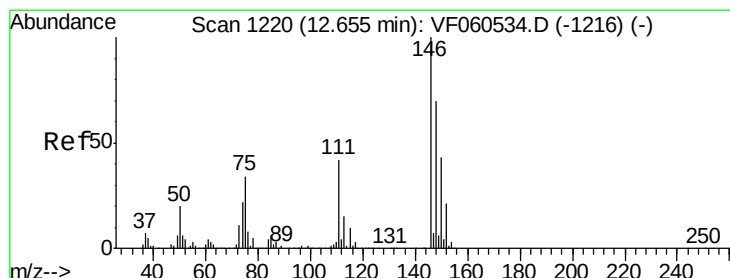
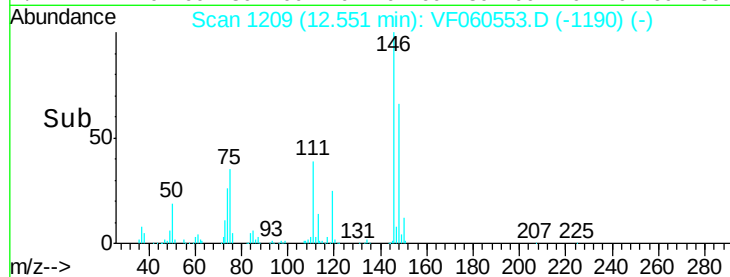
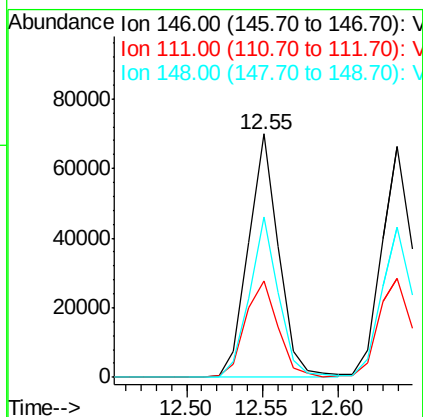
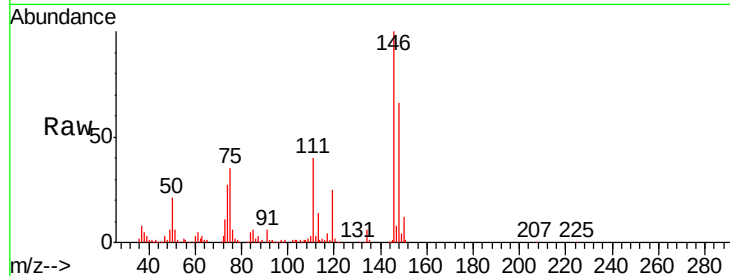
#87
 1,3-Dichlorobenzene
 Concen: 52.79 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.02 min
 Lab File: VF060553.D
 Acq: 30 Oct 2018 19:11

Instrument :
 MSVOA_F
 ClientSampleId :
 DL-SED-01MSD

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	22.6	67.7
148	65.7	33.1	99.3

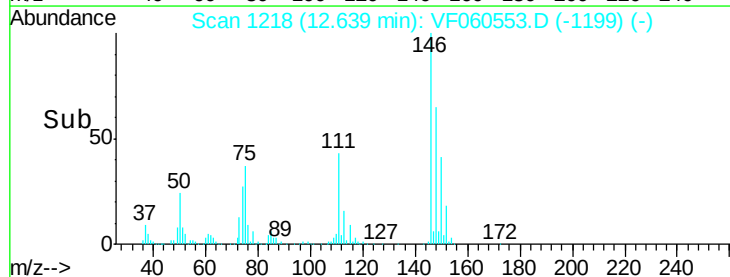
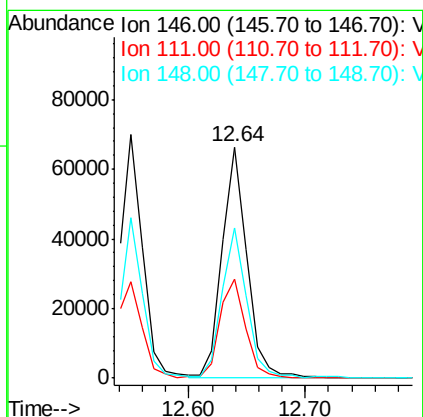
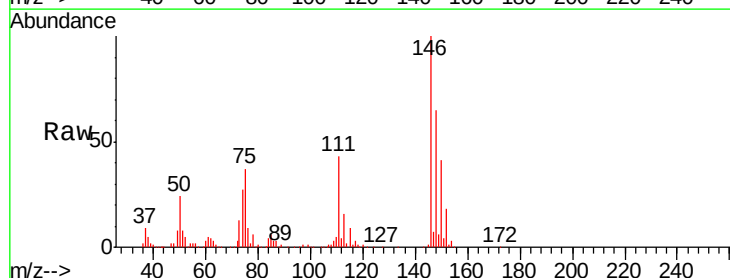
Manual Integrations
 APPROVED

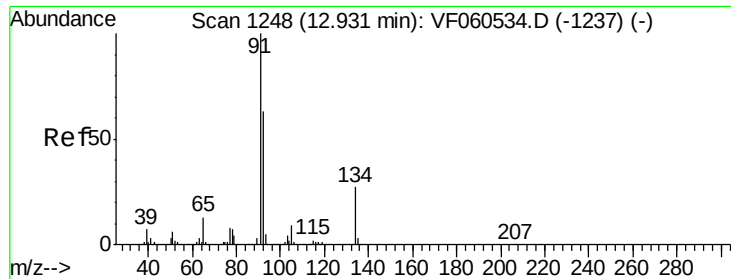
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#88
 1,4-Dichlorobenzene
 Concen: 56.20 ug/l
 RT: 12.64 min Scan# 1218
 Delta R.T. -0.02 min
 Lab File: VF060553.D
 Acq: 30 Oct 2018 19:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.2	63.6
148	65.2	35.1	105.5





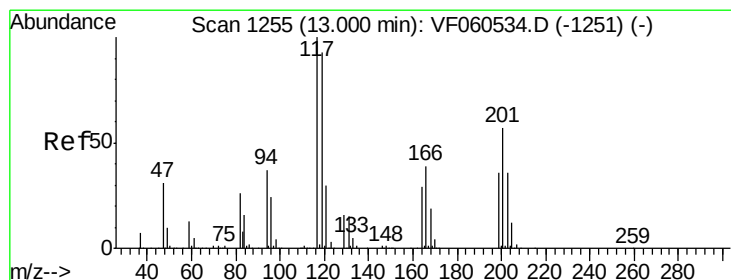
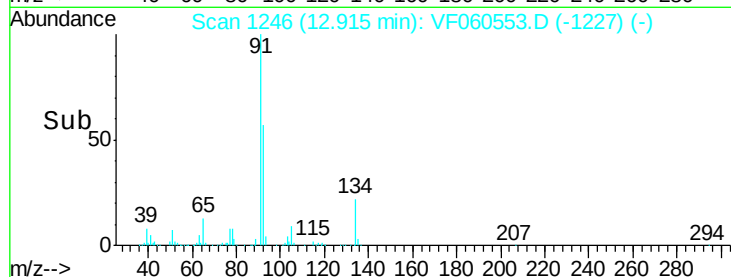
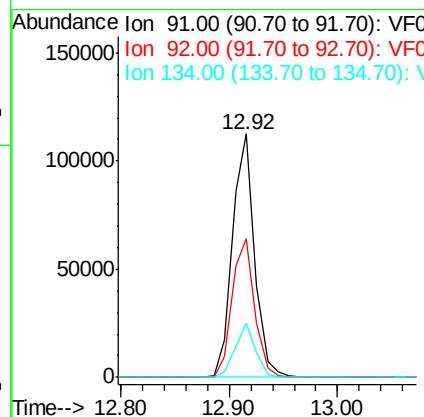
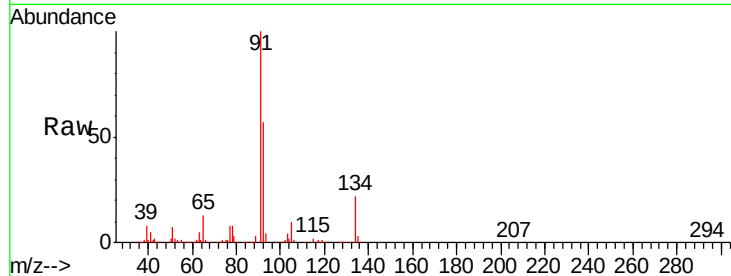
#89
n-Butylbenzene
Concen: 41.45 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. -0.02 min
Lab File: VF060553.D
Acq: 30 Oct 2018 19:11

Instrument :
MSVOA_F
ClientSampleId :
DL-SED-01MSD

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.9	31.3	93.9
134	22.0	13.3	39.8

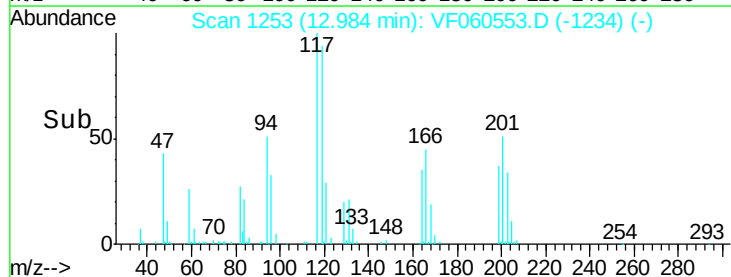
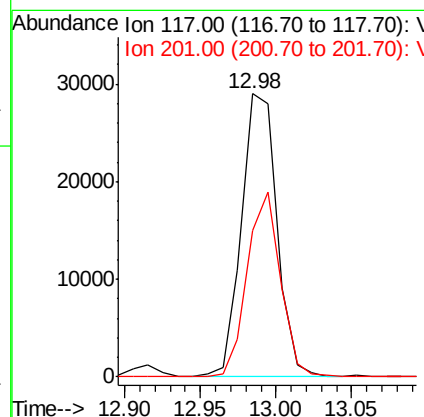
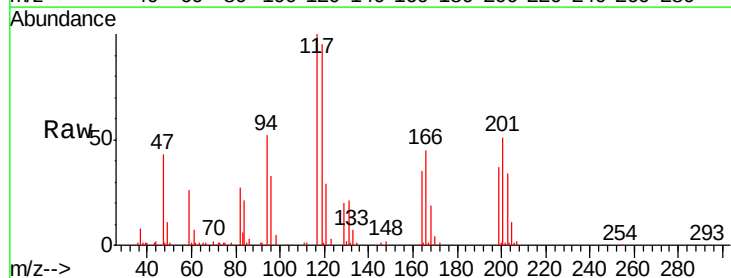
Manual Integrations
APPROVED

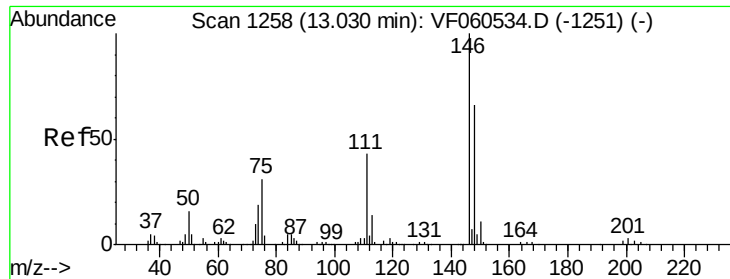
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#90
Hexachloroethane
Concen: 45.28 ug/l
RT: 12.98 min Scan# 1253
Delta R.T. -0.02 min
Lab File: VF060553.D
Acq: 30 Oct 2018 19:11

Tgt Ion	Ratio	Lower	Upper
117	100		
201	51.7	28.2	84.7





#91

1,2-Dichlorobenzene

Concen: 53.28 ug/l

RT: 13.01 min Scan# 1256

Delta R.T. -0.02 min

Lab File: VF060553.D

Acq: 30 Oct 2018 19:11

Instrument :

MSVOA_F

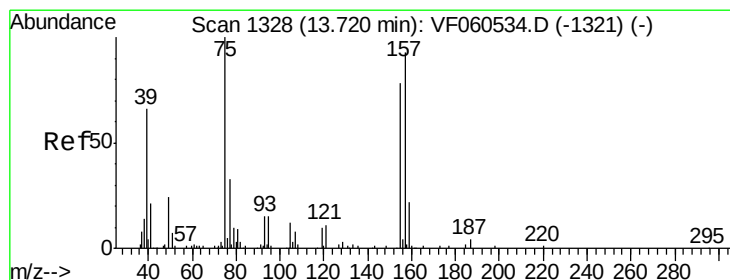
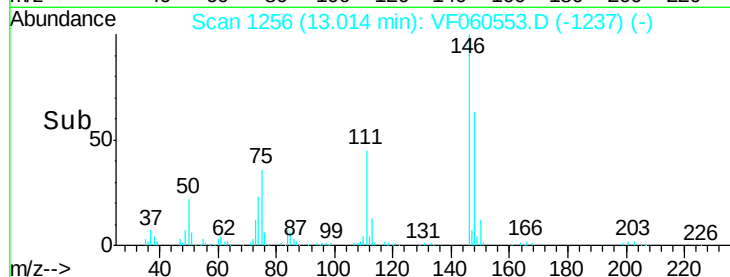
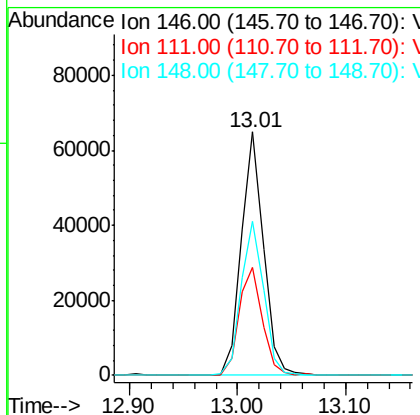
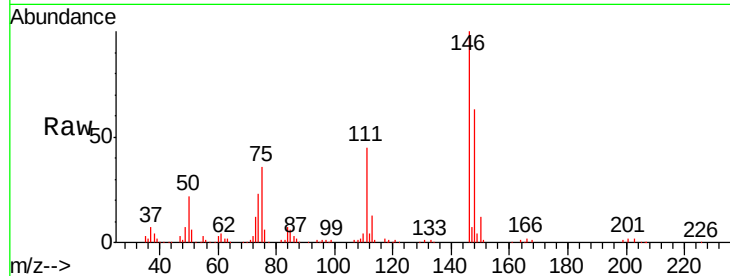
ClientSampleId :

DL-SED-01MSD

Tgt Ion:	146	Resp:	92935
Ion Ratio	Lower	Upper	
146	100		
111	44.6	21.5	64.5
148	63.1	33.1	99.5

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 77.48 ug/l

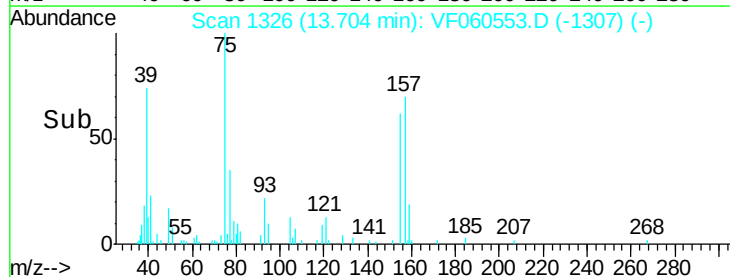
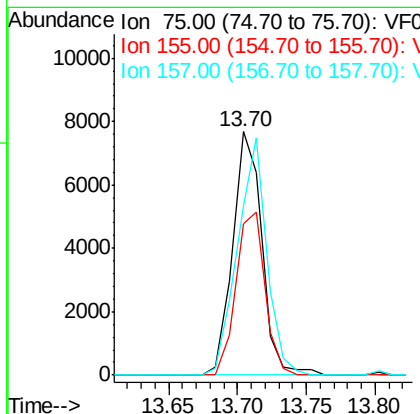
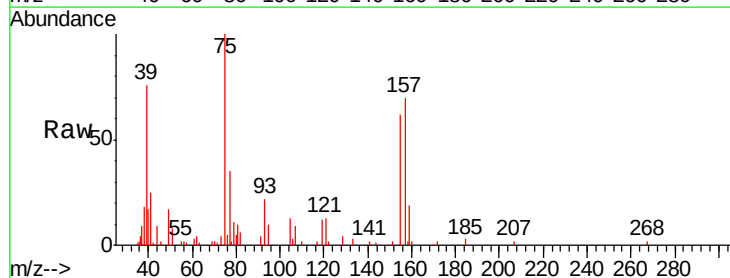
RT: 13.70 min Scan# 1326

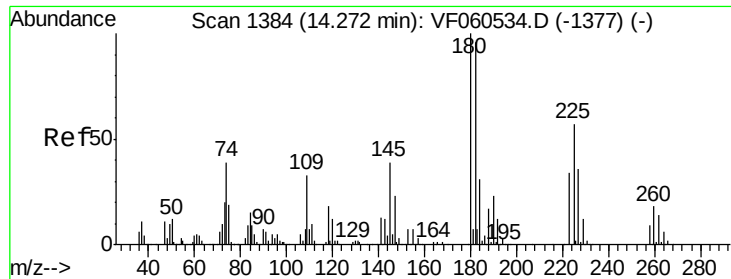
Delta R.T. -0.02 min

Lab File: VF060553.D

Acq: 30 Oct 2018 19:11

Tgt Ion:	75	Resp:	11302
Ion Ratio	Lower	Upper	
75	100		
155	62.0	40.8	122.5
157	69.6	46.5	139.5





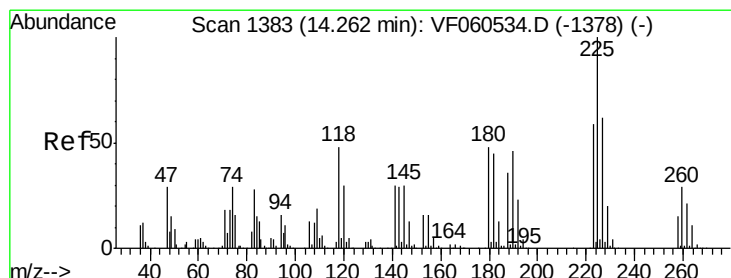
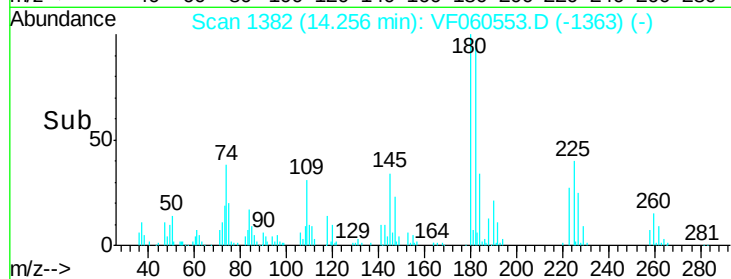
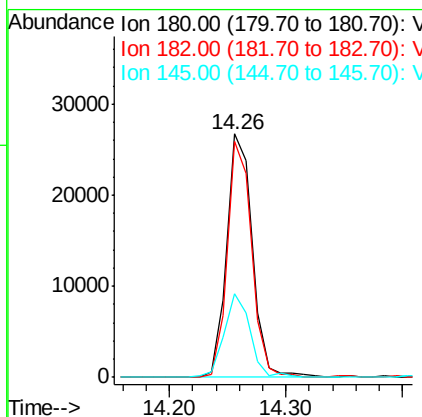
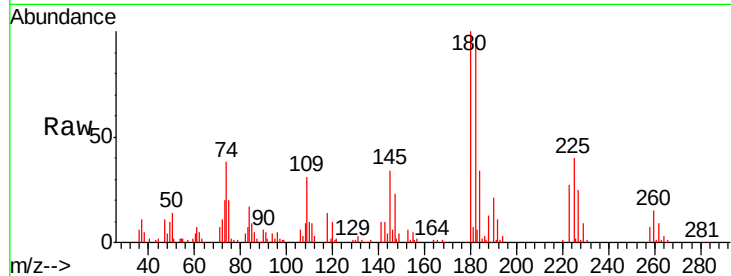
#93
 1,2,4-Trichlorobenzene
 Concen: 31.40 ug/l
 RT: 14.26 min Scan# 1382
 Delta R.T. -0.02 min
 Lab File: VF060553.D
 Acq: 30 Oct 2018 19:11

Instrument :
 MSVOA_F
 ClientSampleId :
 DL-SED-01MSD

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	41026		
182	96.8	48.1	144.3	
145	34.2	19.5	58.5	

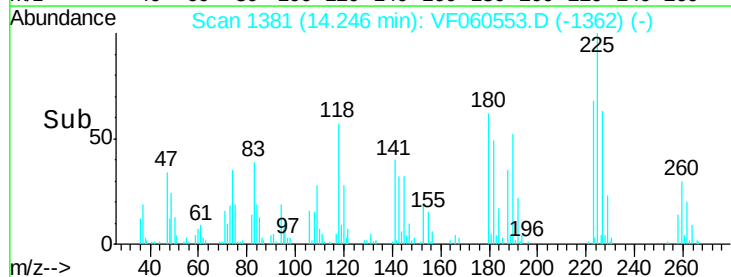
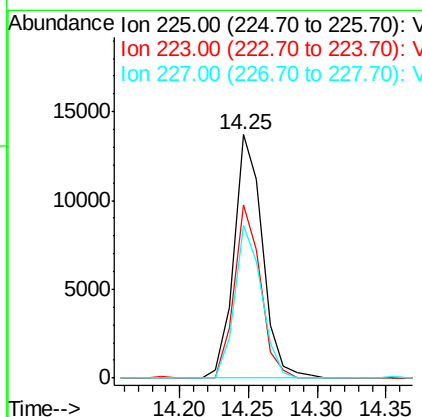
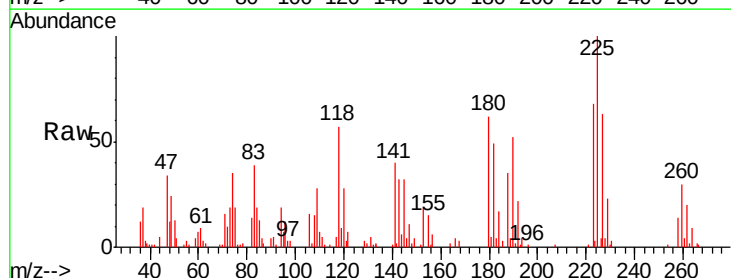
Manual Integrations
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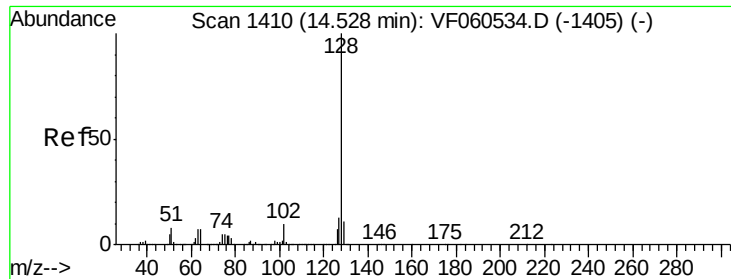
MMDadoda
 10/31/2018 11:36:43 AM



#94
 Hexachlorobutadiene
 Concen: 21.38 ug/l
 RT: 14.25 min Scan# 1381
 Delta R.T. -0.02 min
 Lab File: VF060553.D
 Acq: 30 Oct 2018 19:11

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	19782		
223	71.1	29.5	88.5	
227	62.8	31.3	93.8	





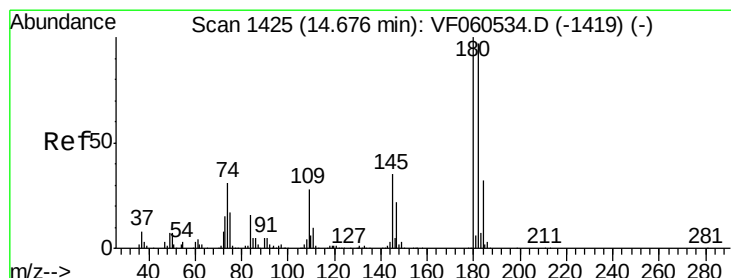
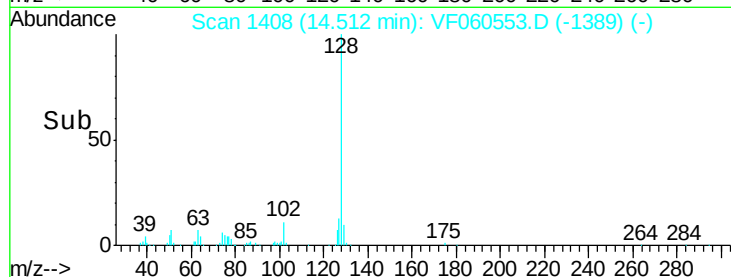
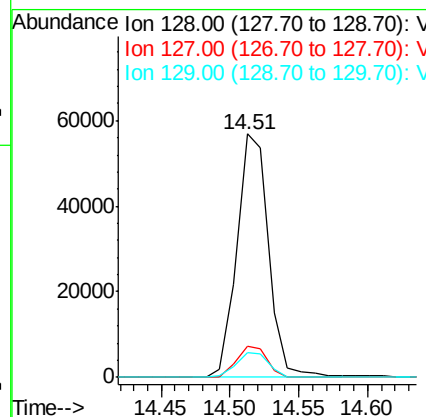
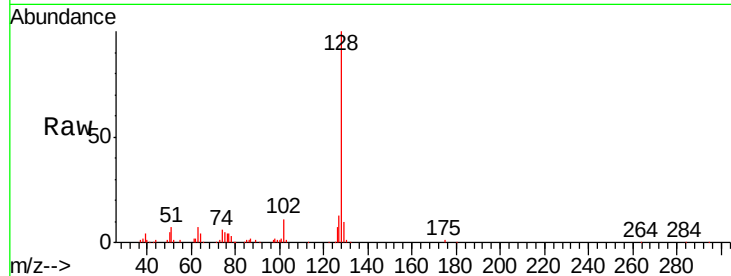
#95
Naphthalene
Concen: 39.41 ug/l
RT: 14.51 min Scan# 1408
Delta R.T. -0.02 min
Lab File: VF060553.D
Acq: 30 Oct 2018 19:11

Instrument :
MSVOA_F
ClientSampleId :
DL-SED-01MSD

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.1	15.1
129	10.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/31/2018 11:36:43 AM



#96
1,2,3-Trichlorobenzene
Concen: 23.98 ug/l
RT: 14.66 min Scan# 1423
Delta R.T. -0.02 min
Lab File: VF060553.D
Acq: 30 Oct 2018 19:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	107.1	48.7	146.1
145	39.3	17.3	52.0

